

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

3/04/11

Maria Markos  
Assistant District Attorney, Essex County

Dear Ms. Markos,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
[REDACTED] Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Control Cards with analytical results for sample #'s [REDACTED]
3. Analysis sheets with chemist's hand notations and test results.
4. GC/Mass Spectral analytical data for sample #'s [REDACTED]

GC/MS testing was performed by Annie Dookhan. All other analyses were performed by Kate Corbett. If you have any questions about these materials, please call me at the number below.

Sincerely,  
  
Kate Corbett  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6632

cc: ASD, CBS

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department:

*Lynn*

Police Reference No.:

Name and Rank of Submitting Officer: *DET. MARK RICHMOND*

Defendant(s) Name (last, first, initial):



*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

1	PB	BP	(HEROIN)	4.56g	
2	PB	BP	(HEROIN)	2.80g	
6	BROWN TABLETS			5.42g	
1	PB	BP w/Z PB	(HEROIN)	6.45g	
2	PB	BP w/I PB	(HEROIN)	2.94g	

Received by:

*CD*

Date: *3-12-10*

No. [REDACTED]

Date Analyzed: 08-2-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 4.56

Net Weight: 2.39g

# Tests: 5/6AC

Prelim: Heroin

Findings:

• 2.8g  
Heroin

No. [REDACTED]

Date Analyzed: 08-02-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 2 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 2.80

Net Weight: 0.37g

# Tests: 5/6AC

Prelim: Heroin

Findings:

• 2.8g  
Heroin

No. [REDACTED]

Date Analyzed: 08-02-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount: 6.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Analyzed:

Date Rec'd: 03/12/2010

No. Analyzed:

Gross Wt.: 5.42

Net Weight: 3.46g

# Tests: 7/6AC

Prelim: UNKNOWN

Findings: negative

• 4.8g

No. [REDACTED] Date Analyzed: 08-02-10

City: Lynn Police Dept.

Officer: Detective MARK RICHMOND

Def: [REDACTED]

Amount: Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 03/12/2010

No. Analyzed: 1

Gross Wt.: 6.45

Net Weight: 0.35g

# Tests: 5/6AC

• 2.8g  
Heroin

Prelim: Heroin

Findings: Heroin

Prelim: Heroin

Findings: Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE: [REDACTED] AGENCY: Lynn ANALYST: KAC  
No. of samples tested: 1 Evidence Wt. OK

## PHYSICAL DESCRIPTION:

1 pb containing tan  
powder  
double bagged

Gross Wt ( ): 26320g  
Gross Wt ( ): \_\_\_\_\_  
Pkg. Wt: 0.2329g  
Net Wt: 2.3991g

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( ) +  
Marquis +  
Froehde's +  
Mecke's +

### Microcrystalline Tests

Gold Chloride \_\_\_\_\_  
TLTA ( ) \_\_\_\_\_

### OTHER TESTS

\_\_\_\_\_  
\_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS Heroin  
DATE 7/21/10

## GC/MS CONFIRMATORY TEST

RESULTS Heroin  
MS OPERATOR ASD  
DATE 8/2/10

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

ANALYST

No. of samples tested:

Evidence Wt.

KAC

OK

PHYSICAL DESCRIPTION:

2 similar phs containing  
tan powder

Gross Wt (2): 0.8437g

Gross Wt (1): 0.4356g

Pkg. Wt: 0.0639g

Net Wt: 0.3711g

PRELIMINARY TESTSSpot Tests

Cobalt Thiocyanate ( ) +  
Marquis +  
Froehde's +  
Mecke's +

Microcrystalline Tests

Gold Chloride \_\_\_\_\_  
TLTA ( ) \_\_\_\_\_

OTHER TESTS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PRELIMINARY TEST RESULTS

RESULTS Heroin  
DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS Heroin  
MS OPERATOR ASD  
DATE 8/2/10

# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

Lynn

ANALYST

RAC

No. of samples tested:

1

Evidence Wt.

OK

## PHYSICAL DESCRIPTION:

6 round tan tablets  
- NO markings

Gross Wt ( ):

Gross Wt ( ):

Pkg. Wt:

Direct

Net Wt:

3.4686g

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate

Opium acid

Marquis

Froehde's

Mecke's

Dill's

### Microcrystalline Tests

Gold  
Chloride

TLTA ( )

### OTHER TESTS

GC: + peaks before  
cocaine act.

## PRELIMINARY TEST RESULTS

RESULTS

UNKNOWN

DATE

7/21/10

## GC/MS CONFIRMATORY TEST

RESULTS

Negative

MS  
OPERATOR

ASD

DATE

8/2/10

Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 02.D  
Signal(s) : FID1A.CH  
Acq On : 27 Jul 2010 7:29  
Sample : COC. & COD. STP.  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.094	1.326	BB	711144317	9967432022	100.00%	99.398%
2	1.883	1.844	1.929	BB	102426	1252965	0.01%	0.012%
3	2.147	2.102	2.192	BB	137411	1487257	0.01%	0.015%
4	4.858	4.804	4.904	BB	2932982	26090346	0.26%	0.260%
5	5.645	5.599	5.702	BB	2662601	31499412	0.32%	0.314%

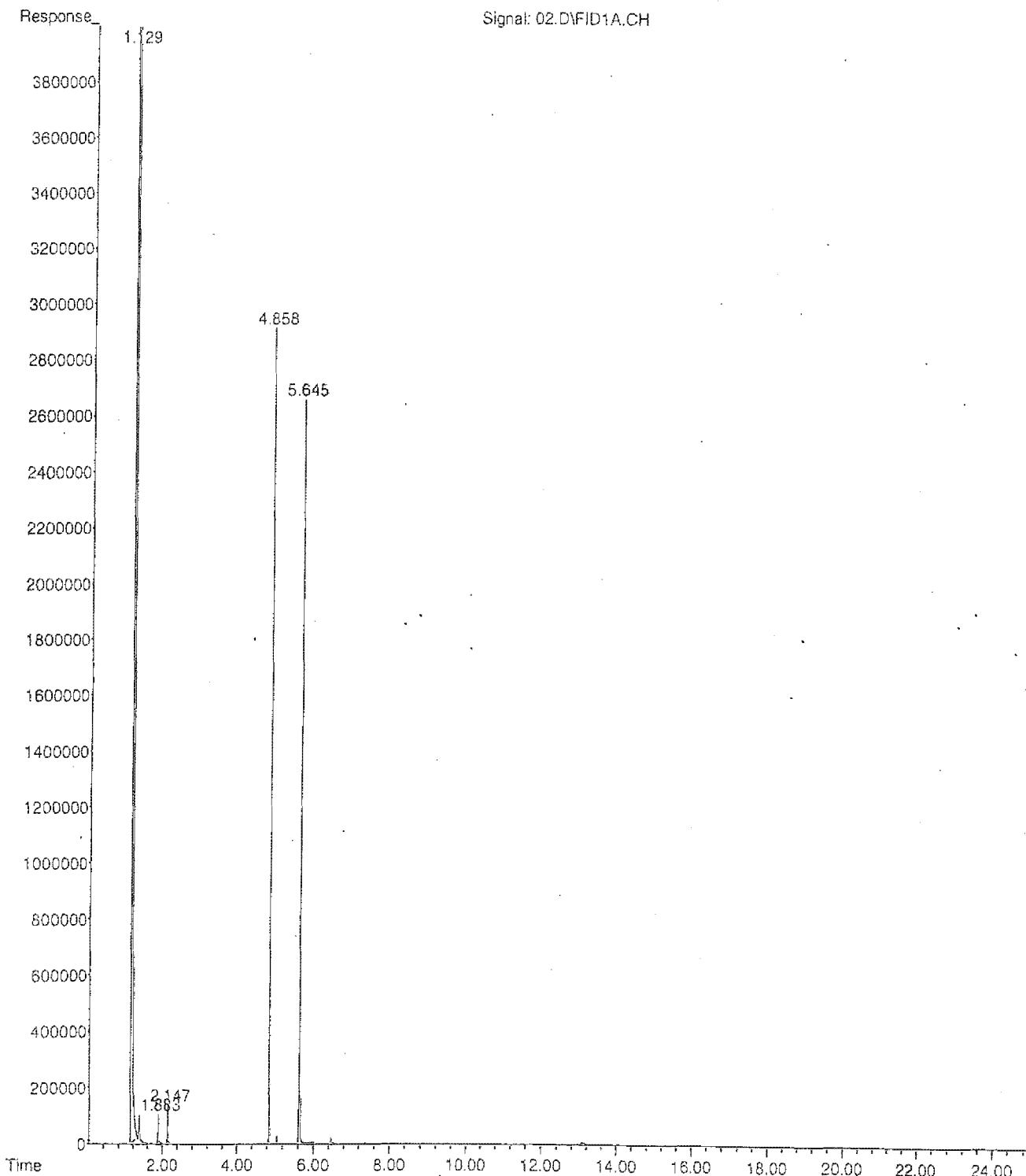
Sum of corrected areas: 10027762002

Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 02.D  
Signal(s) : FID1A.CH  
Acq On : 27 Jul 2010 7:29  
Sample : COC. & COD. STD.  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 42.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 00:33  
Sample : HEROIN STD  
Misc : ASD  
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

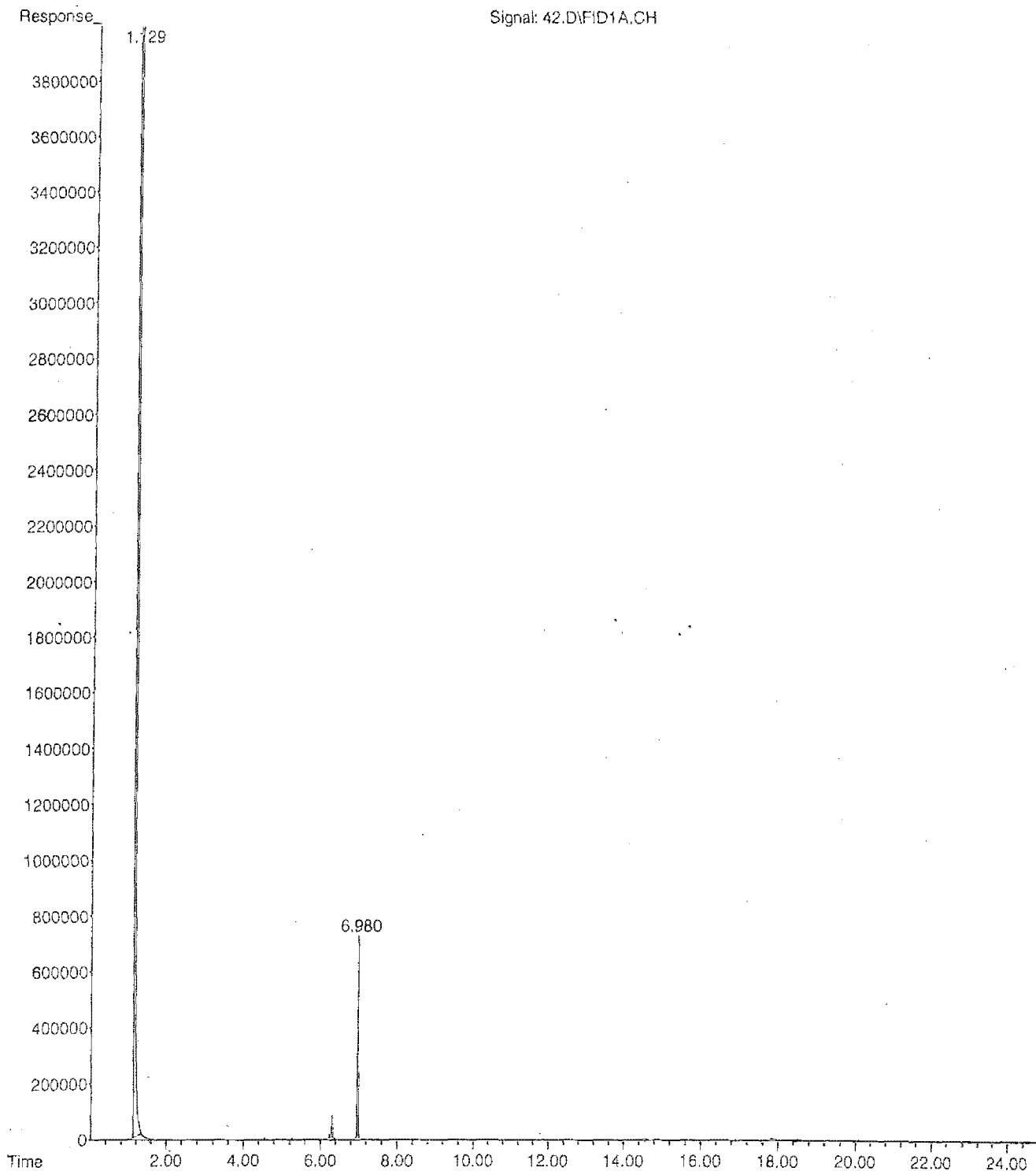
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.098	1.346	BB	840067072	11082414484	100.00%	99.888%
2	6.980	6.919	7.041	BB	726718	12372410	0.11%	0.112%
Sum of corrected areas: 11094786894								

Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 42.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 00:33  
Sample : HEROIN STD  
Misc : ASD  
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 45.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 1:59  
Sample : BLANK  
Misc : KAC  
ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

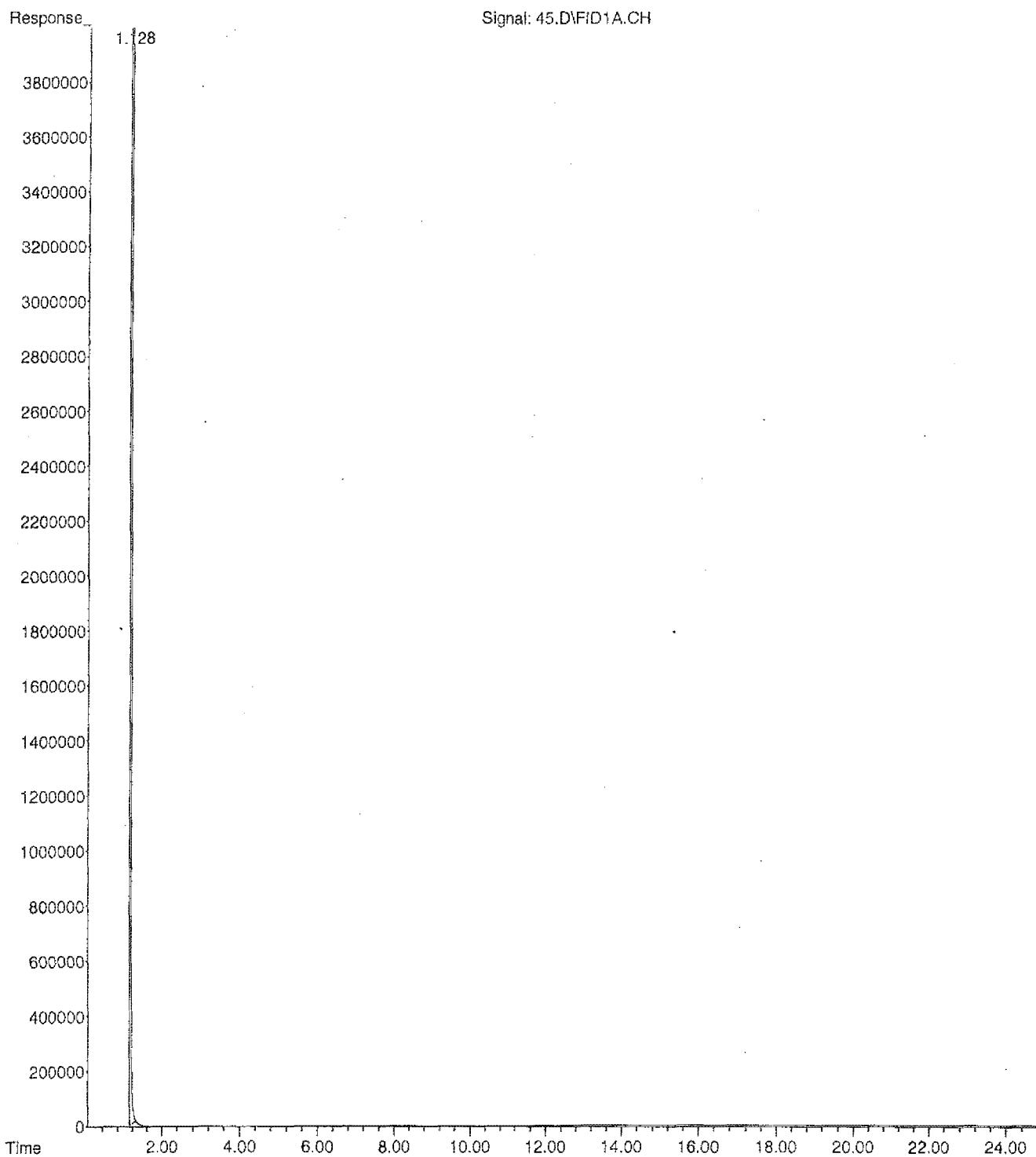
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.128	1.091	1.291	BB	750170654	9712996113	100.00%	100.000%
Sum of corrected areas: 9712996113								

Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 45.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 1:59  
Sample : BLANK  
Misc : KAC  
ALS Vial : 45 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 46.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 2:27  
Sample : XXXXXXXXXX  
Misc : KAC  
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

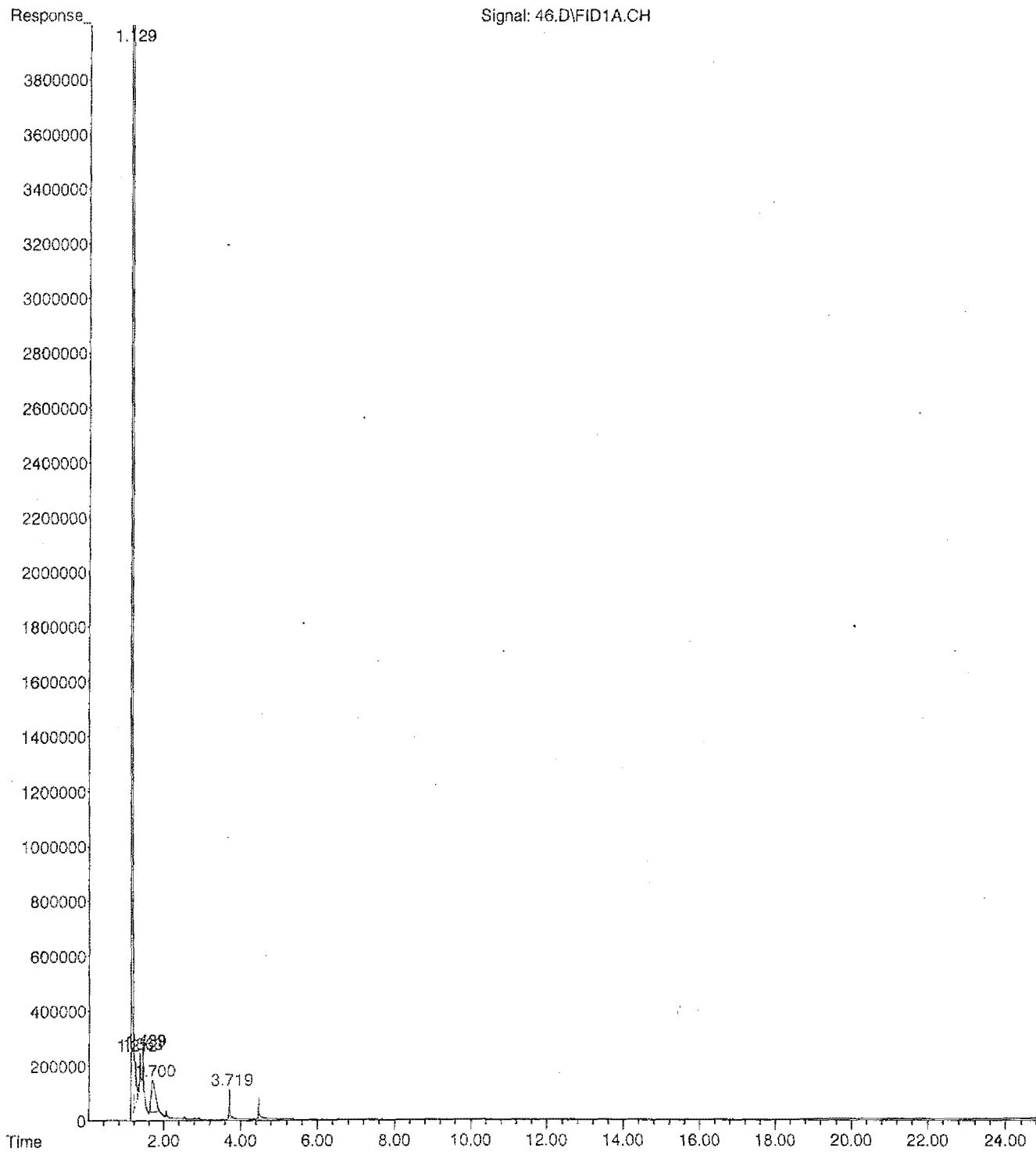
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.129	1.099	1.197	BV	730822691	9715075487	100.00%	99.784%
2	1.212	1.197	1.288	VV	189108	5897035	0.06%	0.061%
3	1.363	1.337	1.391	PB	122442	1892330	0.02%	0.019%
4	1.439	1.409	1.546	BB	136419	2214316	0.02%	0.023%
5	1.700	1.586	1.886	BB	115050	9537452	0.10%	0.098%
6	3.719	3.692	3.799	BB	108033	1534413	0.02%	0.016%
						Sum of corrected areas:	9736151033	

Area Percent Report

Data Path : D:\GC DATA\07\_27\_10\  
Data File : 46.D  
Signal(s) : FID1A.CH  
Acq On : 28 Jul 2010 2:27  
Sample : XXXXXXXXXX  
Misc : KAC  
ALS Vial : 46 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



# DRUG POWDER ANALYSIS FORM

SAMPLE #

AGENCY

ANALYST

No. of samples tested:

Evidence Wt.

KAC

OK

## PHYSICAL DESCRIPTION:

1 pb containing tan  
powder

pb inside a larger ziploc.

Gross Wt ( ): 0.4281g

Gross Wt ( ):

Pkg. Wt: 0.0739g

Net Wt: 0.3542g

## PRELIMINARY TESTS

### Spot Tests

Cobalt Thiocyanate ( ) +  
Marquis +  
Froehde's +  
Mecke's +

### Microcrystalline Tests

Gold Chloride \_\_\_\_\_  
TLTA ( ) \_\_\_\_\_

### OTHER TESTS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

7/21/10

## GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS  
OPERATOR

ASD

DATE

8/2/10

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXXAGENCY LynnANALYST KACNo. of samples tested: 1Evidence Wt. OK**PHYSICAL DESCRIPTION:**

2 Similar pbs  
Containing tan powder  
Both pbs inside a clear ziploc

Gross Wt (2): 0.4303gGross Wt (1): 0.2137gPkg. Wt: 0.0977gNet Wt: 0.1160g**PRELIMINARY TESTS****Spot Tests**

Cobalt +  
Thiocyanate +  
Marquis +  
Froehde's +  
Mecke's +

**Microcrystalline Tests**

Gold Chloride \_\_\_\_\_  
TLTA ( )

**OTHER TESTS**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PRELIMINARY TEST RESULTS**

RESULTS Heroin  
DATE 7/21/10

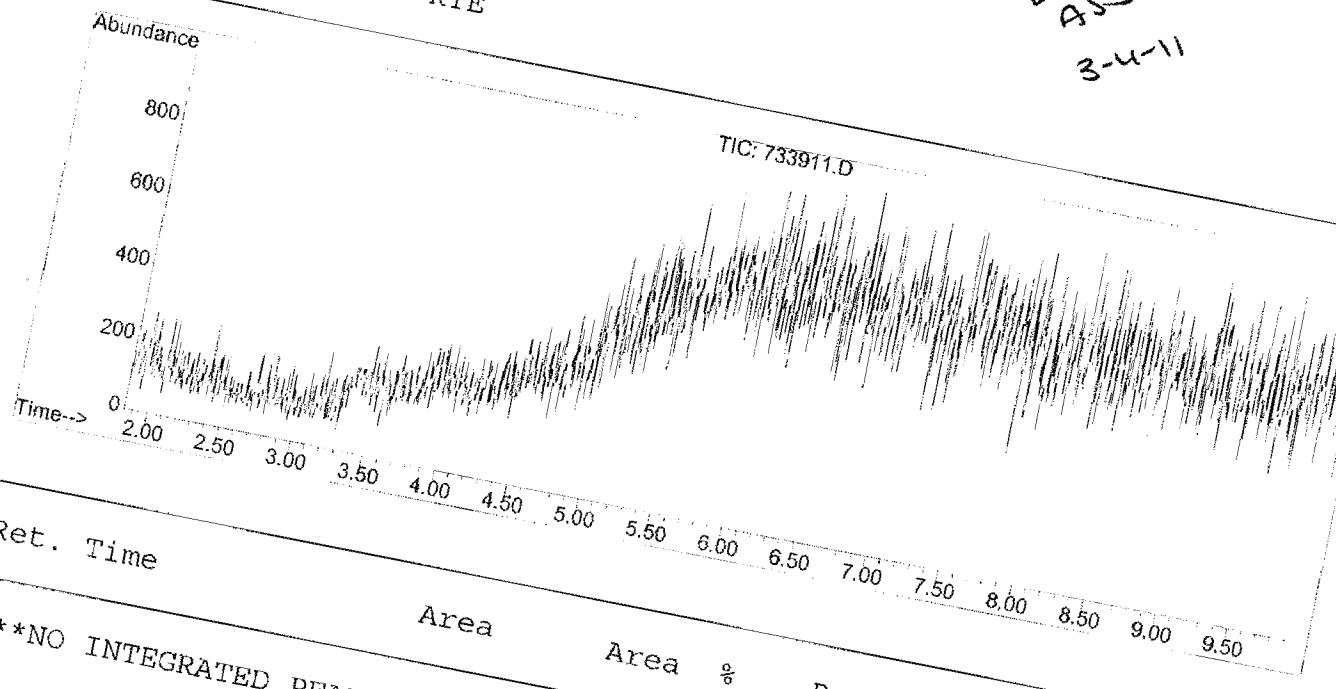
**GC/MS CONFIRMATORY TEST**

RESULTS Heroin  
MS OPERATOR ASD  
DATE 8/2/10

Area Percent / Library Search Report

Information from Data File:  
File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733911.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 12:38  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

✓ASO  
3-4-11



Ret. Time

Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

733911.D

Fri Mar 04 07:44:07 2011

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Folk\_OIG\_PRR\_077502

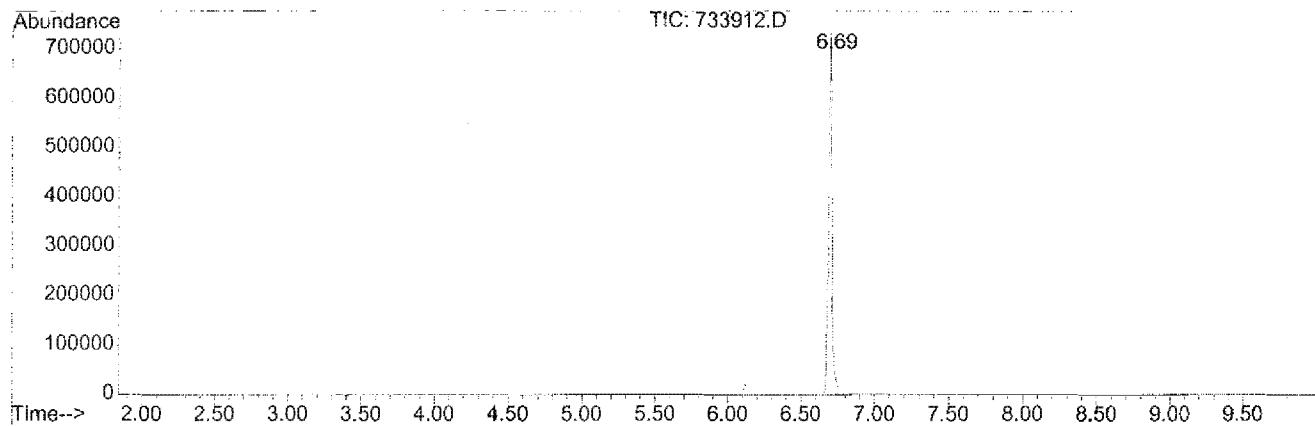
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733912.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 12:51  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.694	1213960	100.00	100.00

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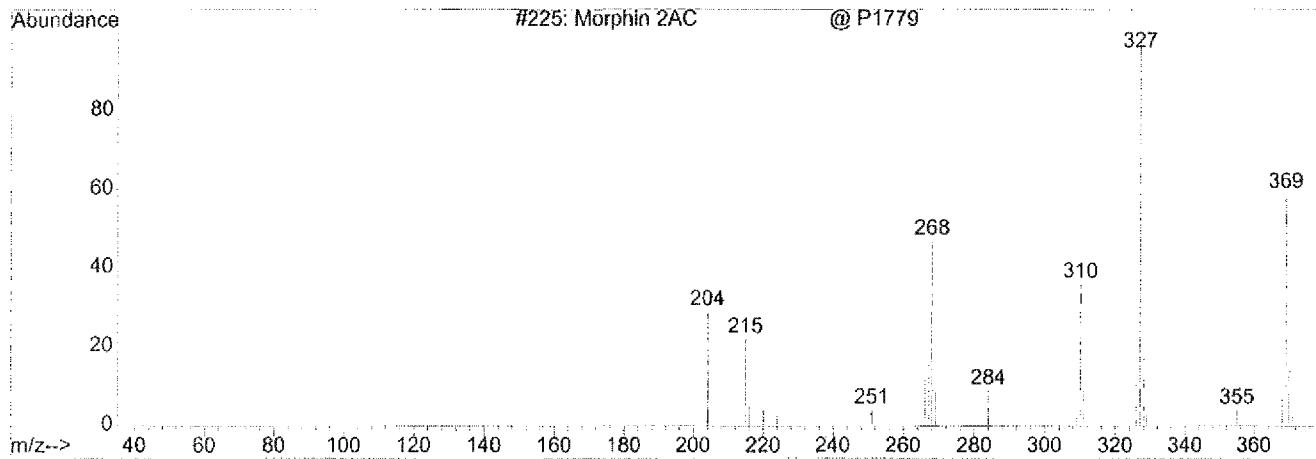
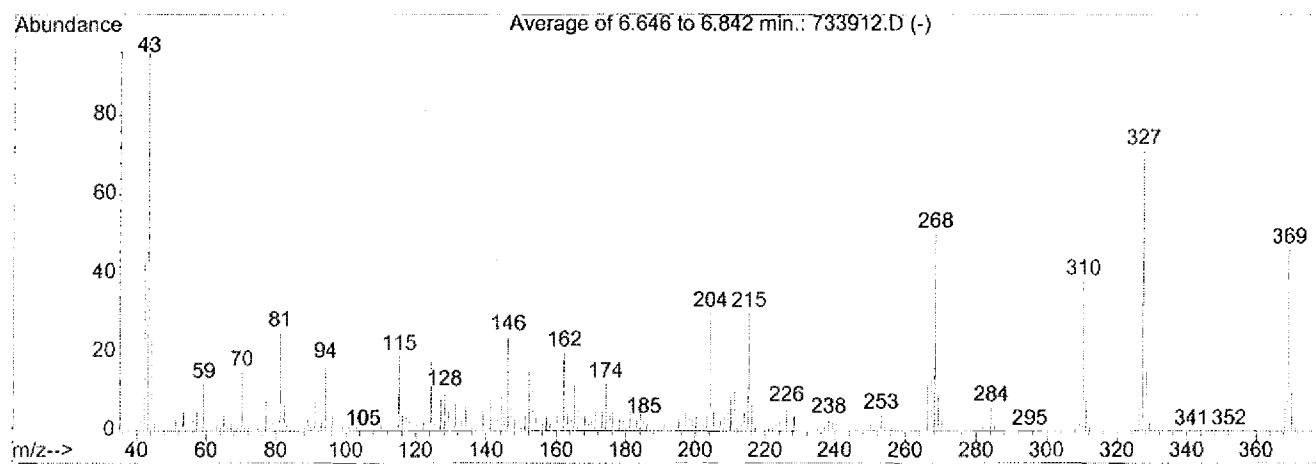
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733912.D  
 Operator : KAC  
 Date Acquired : 29 Jul 2010 12:51  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 12  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
                   C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38

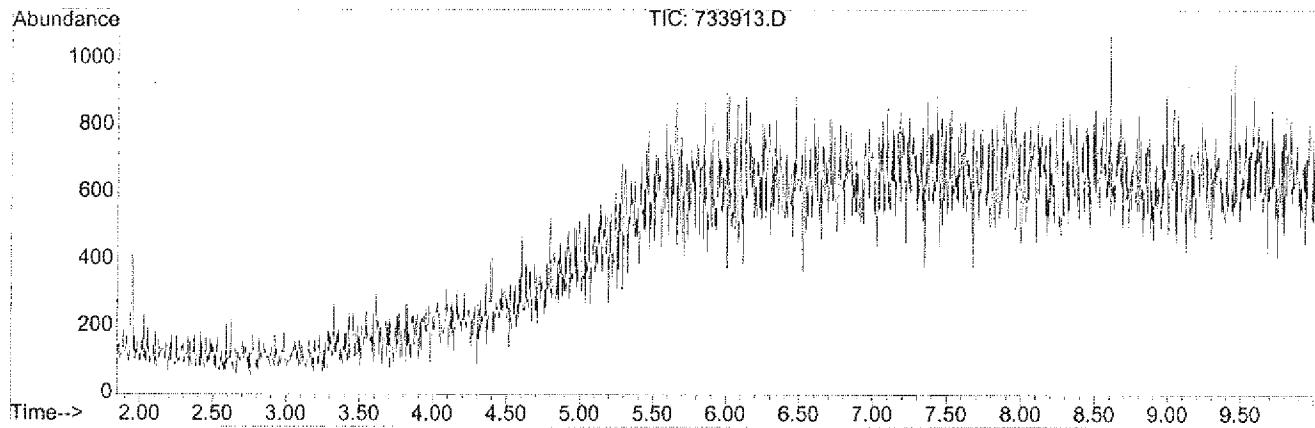


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Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733913.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 13:05  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



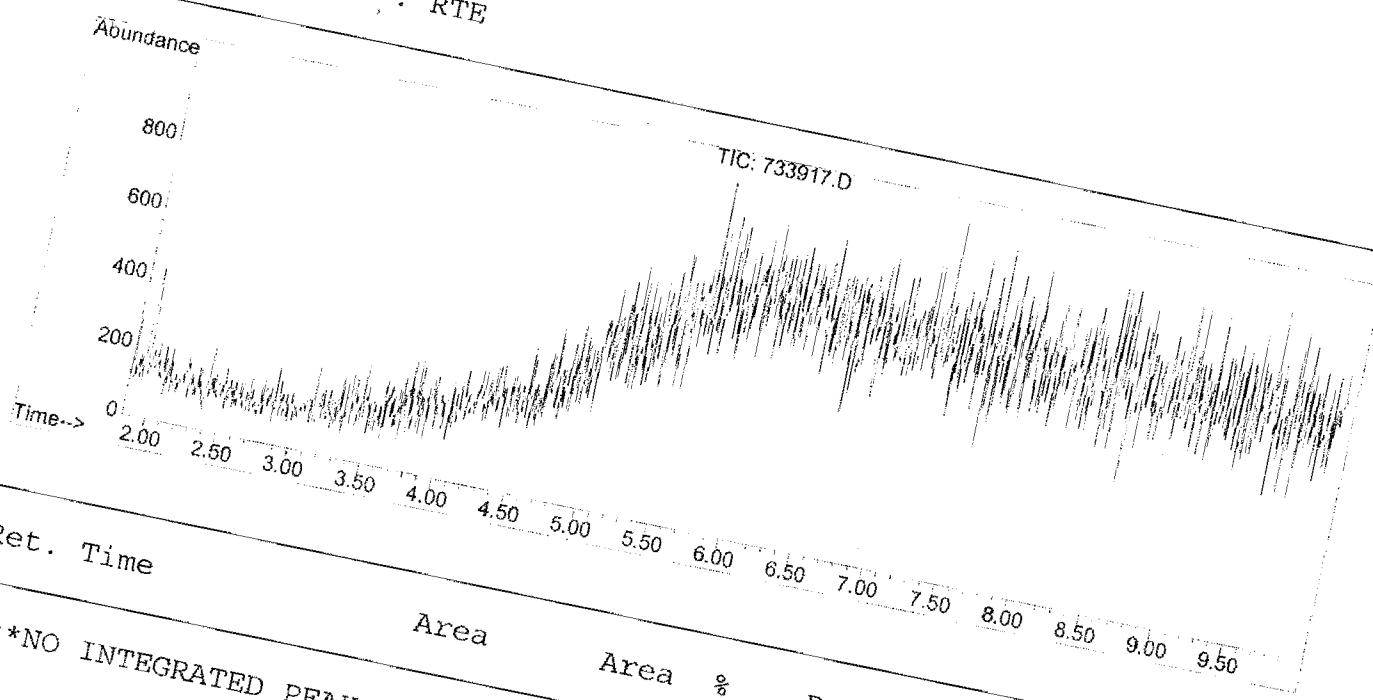
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

Information from Data File:  
File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733917.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 13:59  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time

Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

733917.D

Fri Mar 04 07:44:21 2011

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Folk\_OIG\_PRR\_077506

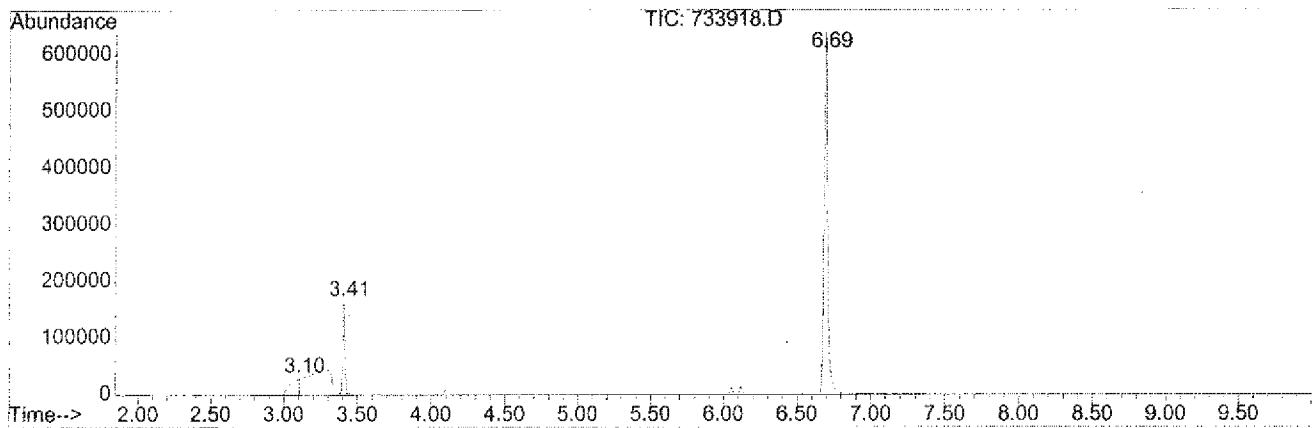
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733918.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:13  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 18  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.099	126857	9.35	11.82
3.406	157112	11.58	14.64
6.690	1073319	79.08	100.00

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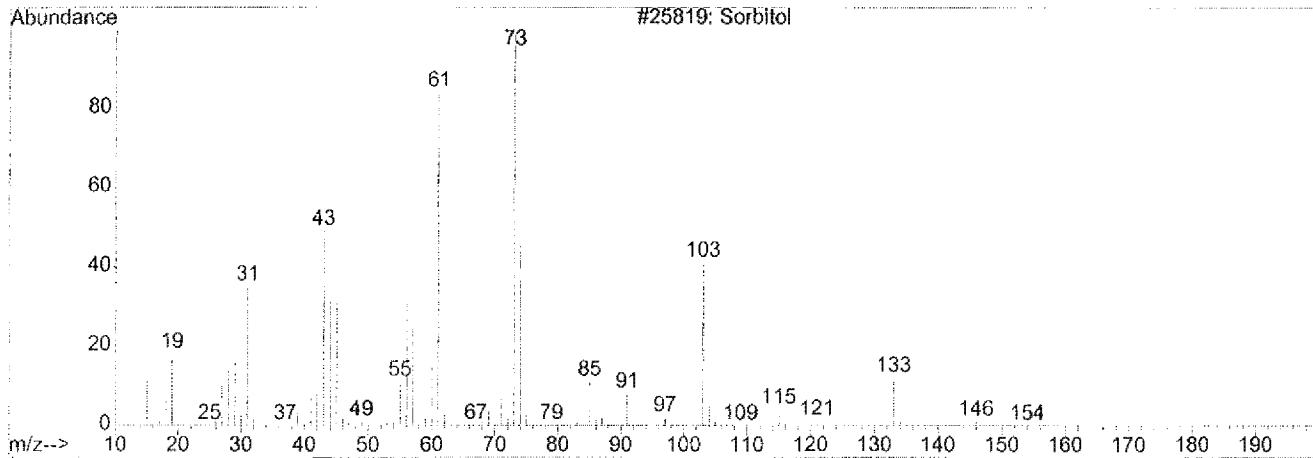
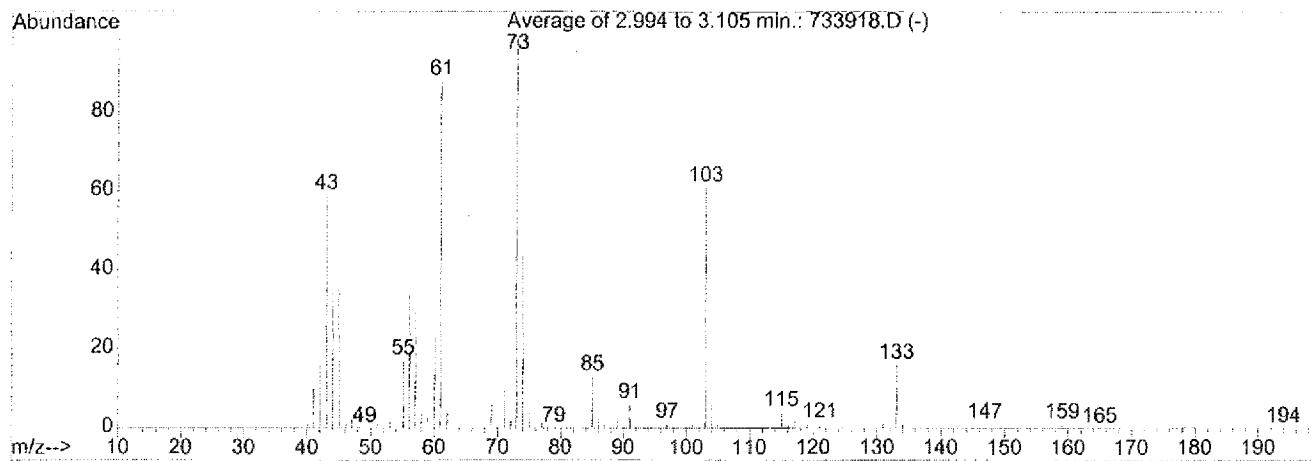
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733918.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:13  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 18  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.10	C:\DATABASE\NIST98.L		
		Sorbitol	000050-70-4	91
		Sorbitol	000050-70-4	87
		Mannitol	000069-65-8	78



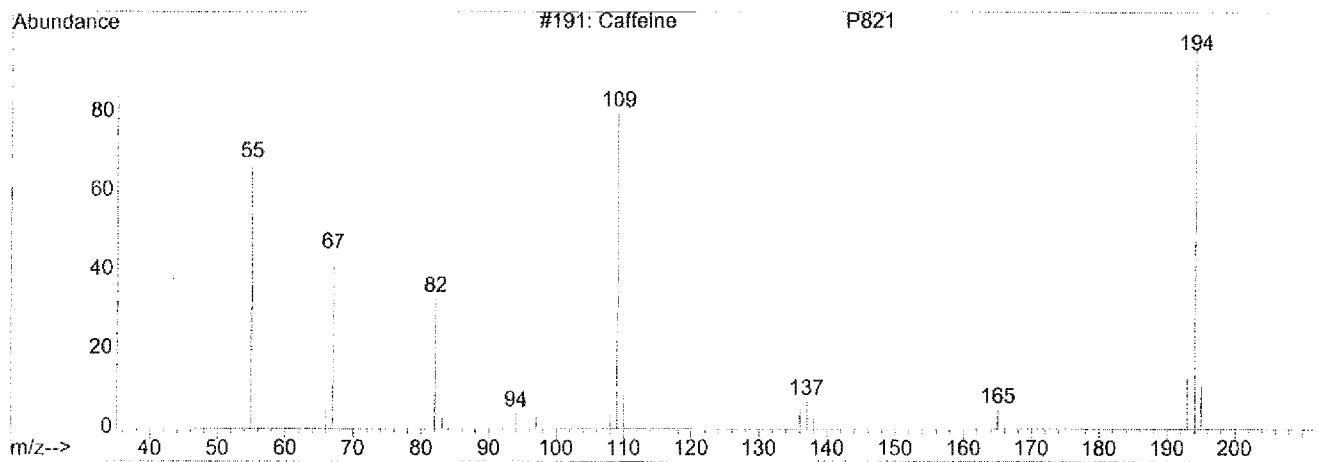
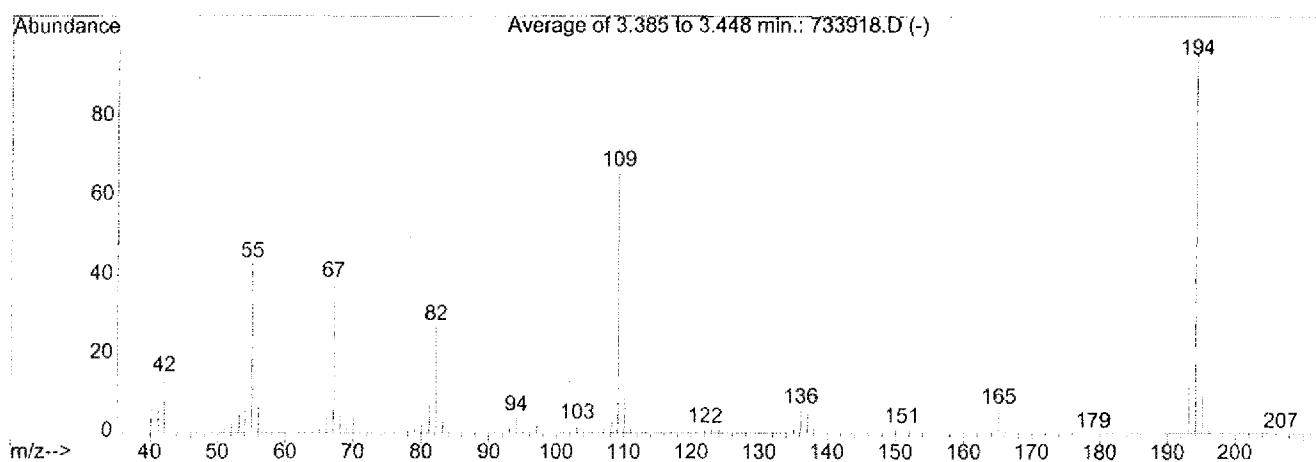
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733918.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:13  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 18  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.41	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	95
		Endogenous biomolecule 2AC	000000-00-0	9
		Mescaline AC	000000-00-0	4



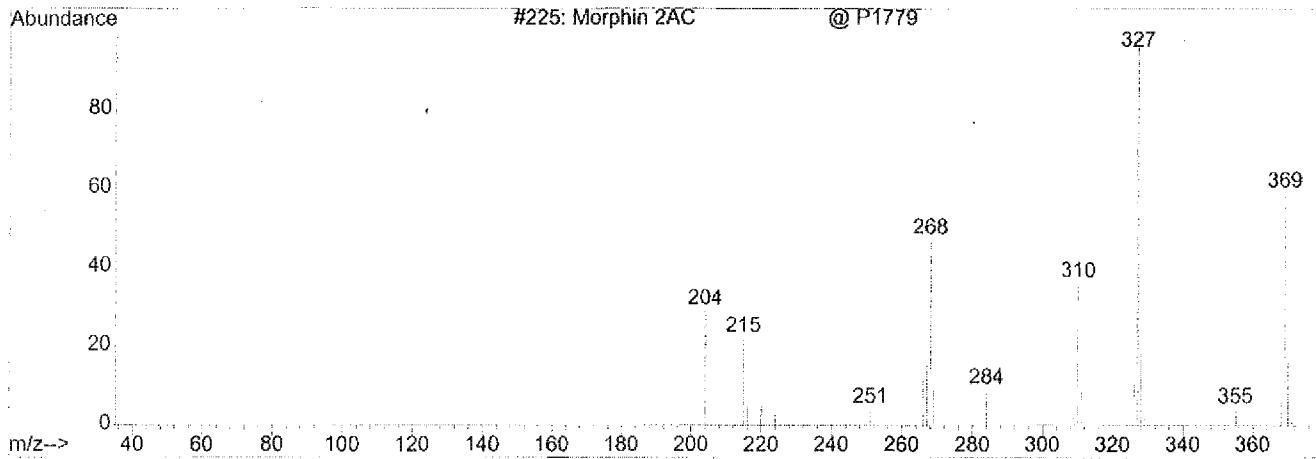
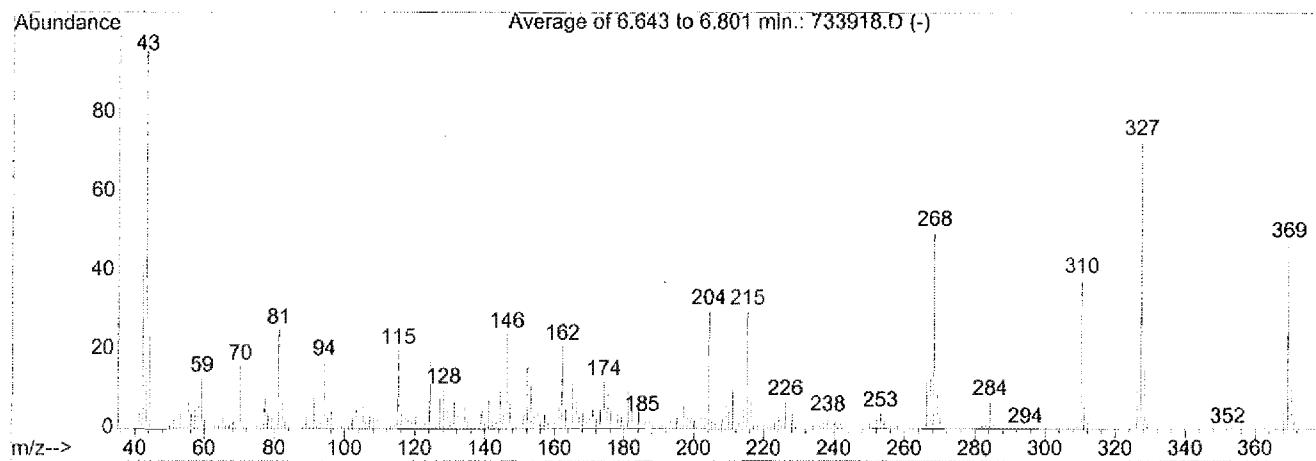
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733918.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:13  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 18  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
3	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38



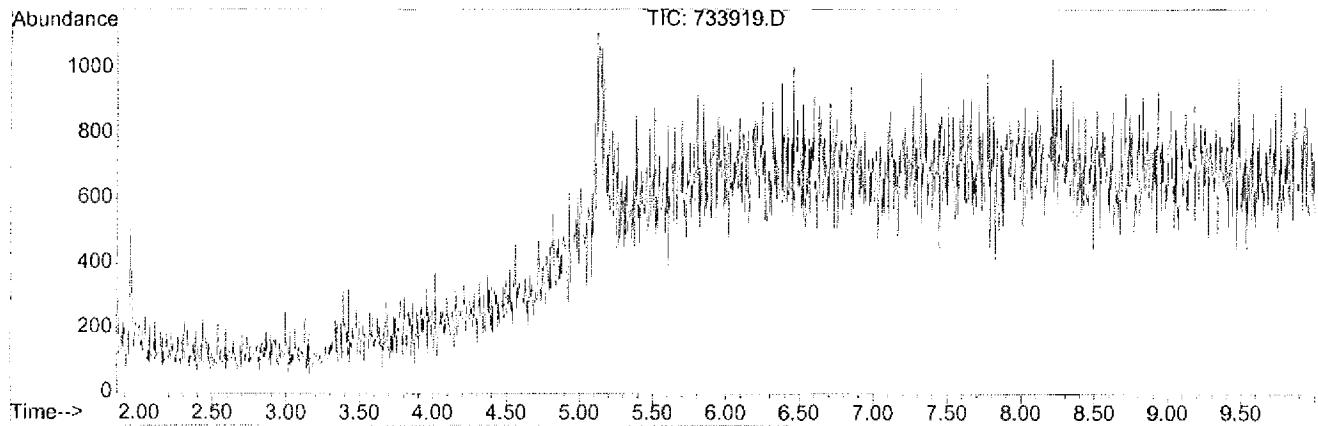
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733919.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:26  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

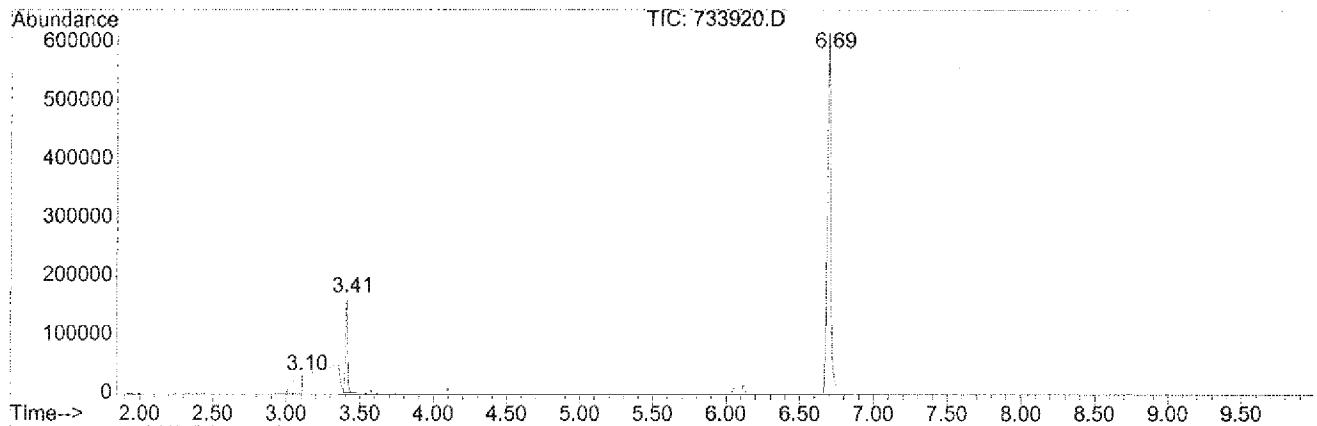
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733920.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:40  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.102	134344	10.10	12.89
3.408	152764	11.49	14.65
6.693	1042568	78.41	100.00

---

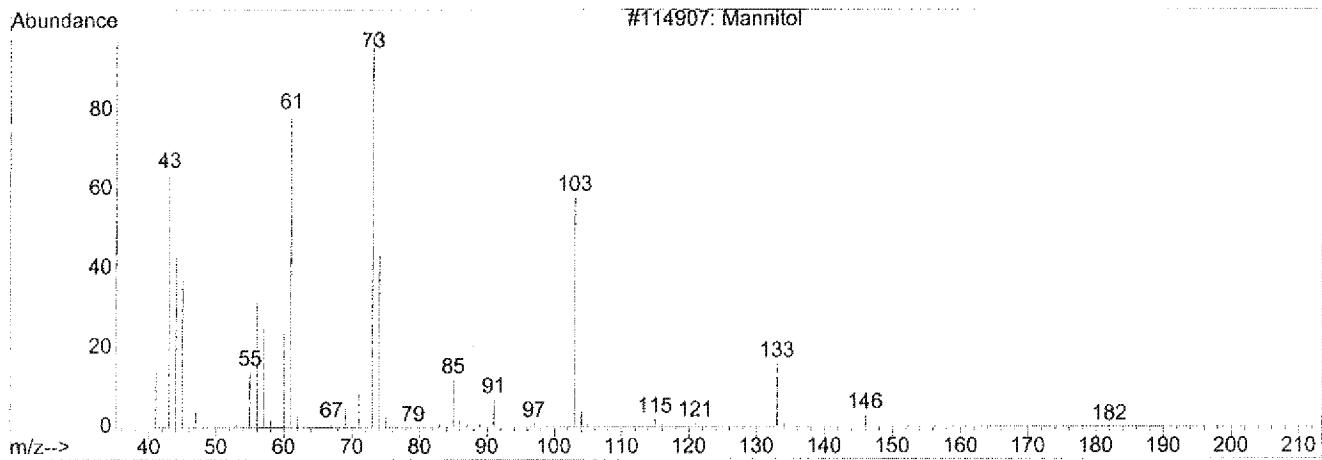
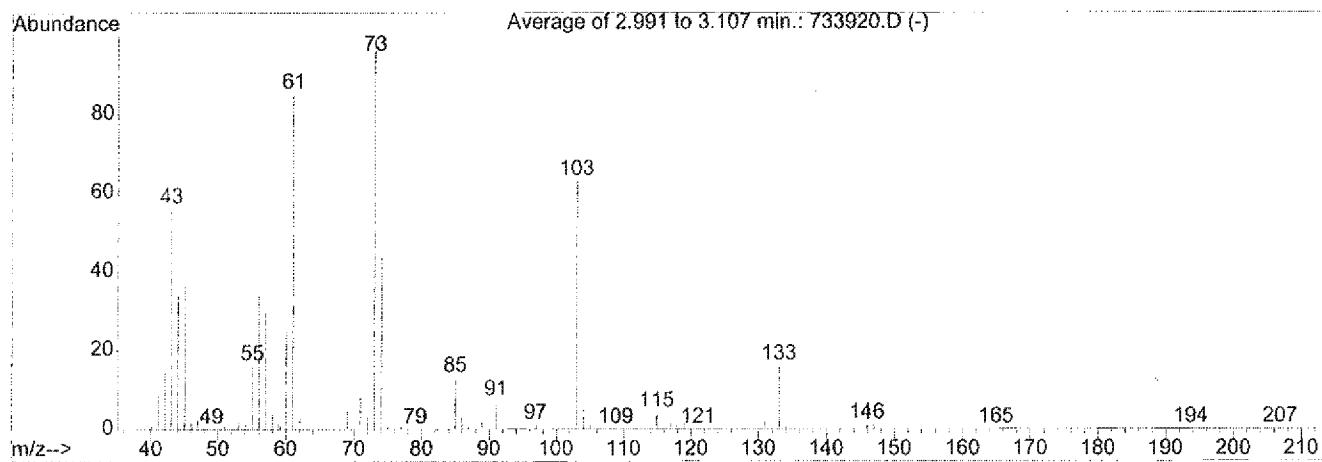
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733920.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:40  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.10	C:\DATABASE\NIST98.L		
		Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	87
		Sorbitol	000050-70-4	87



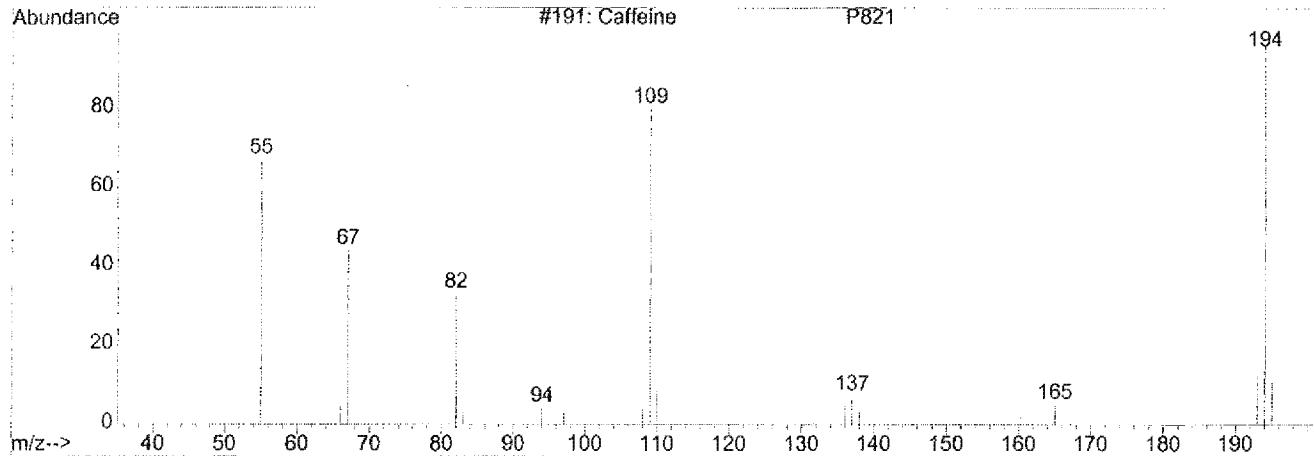
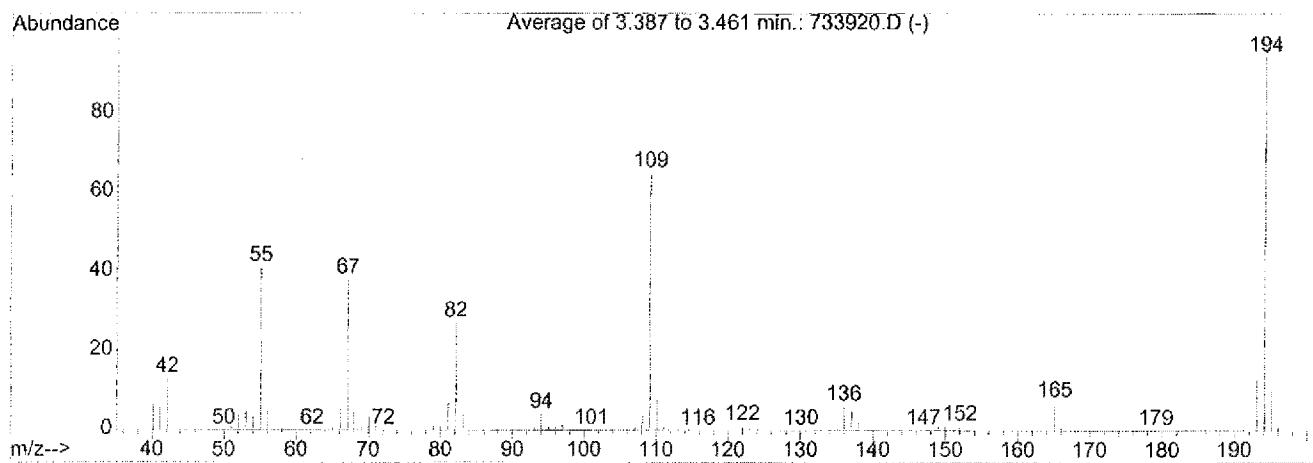
# Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733920.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:40  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.41	C:\DATABASE\PMW_TOX2.L		
		Caffeine	000058-08-2	97
		Proxyphylline	000603-00-9	4
		Paracetamol	@ 000103-90-2	4



# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733920.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:40  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

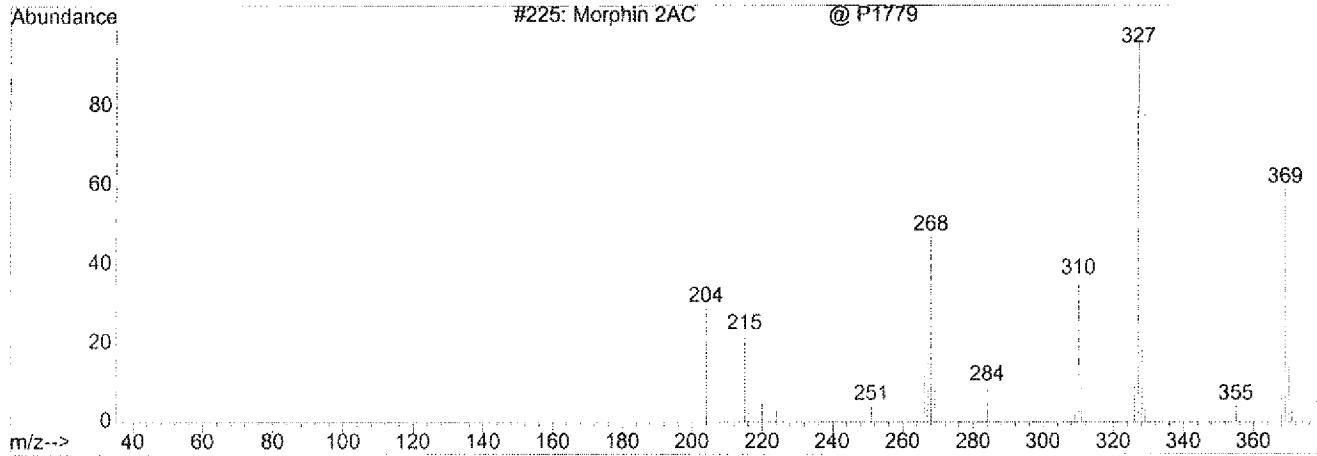
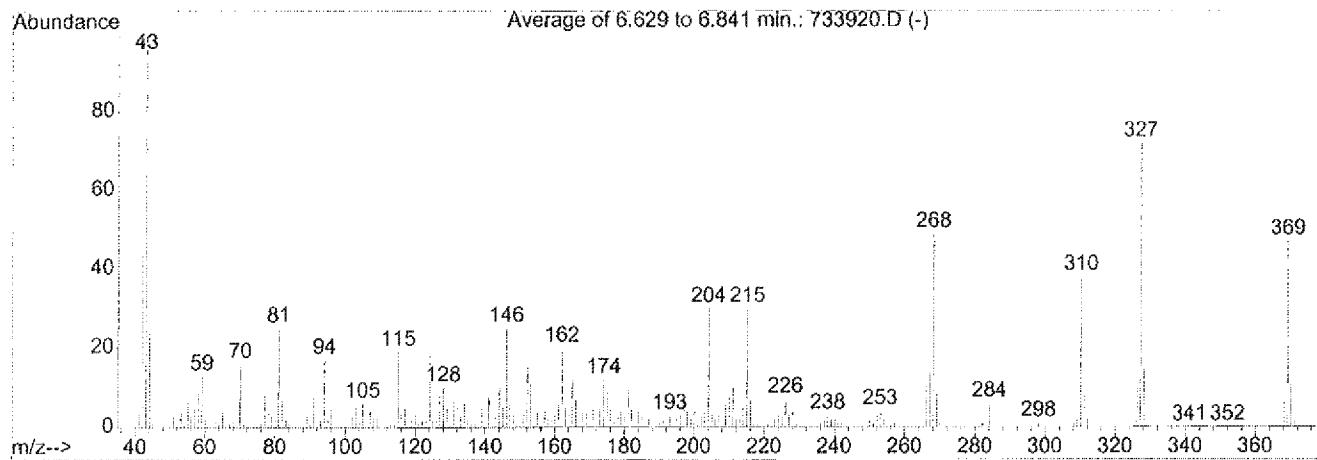
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Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

---

PK#	RT	Library/ID	CAS#	Qual
3	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	91
		Heroin-M (6-acetyl-morphine)	059833-14-6	60
		Naloxone AC	000000-00-0	38

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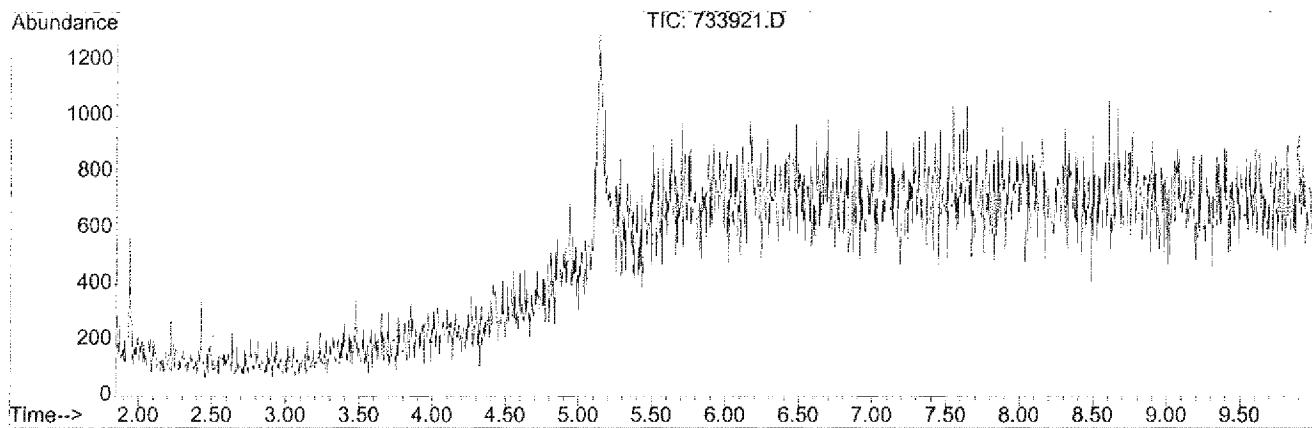
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733921.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 14:53  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

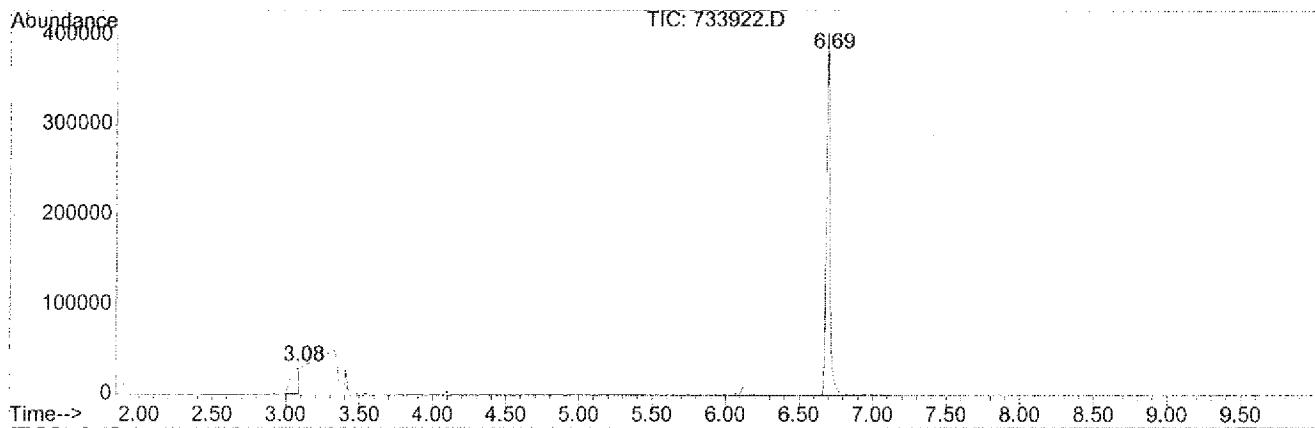
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733922.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 15:07  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.081	104903	13.16	15.15
6.688	692507	86.84	100.00

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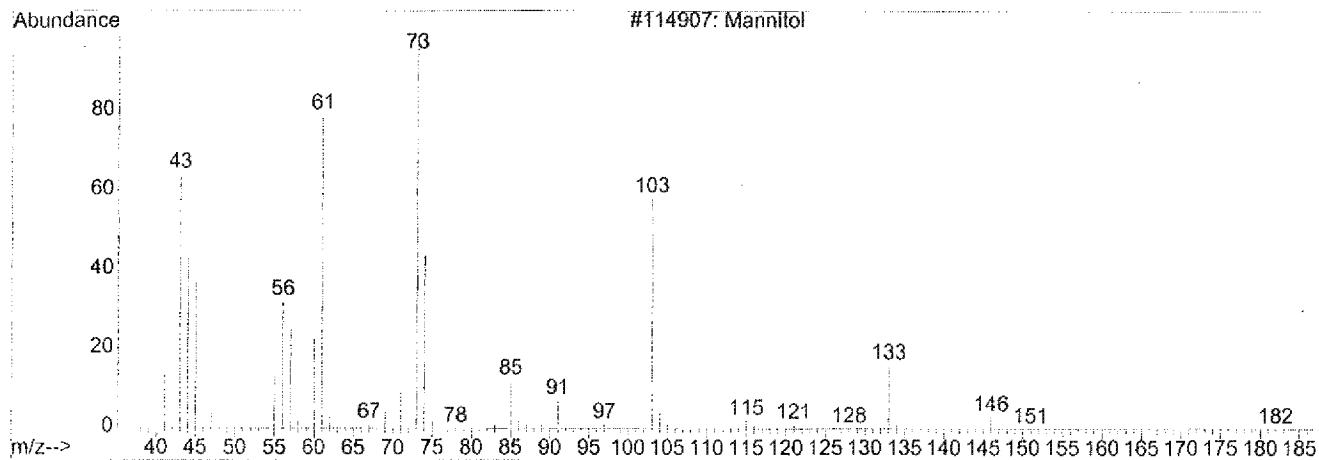
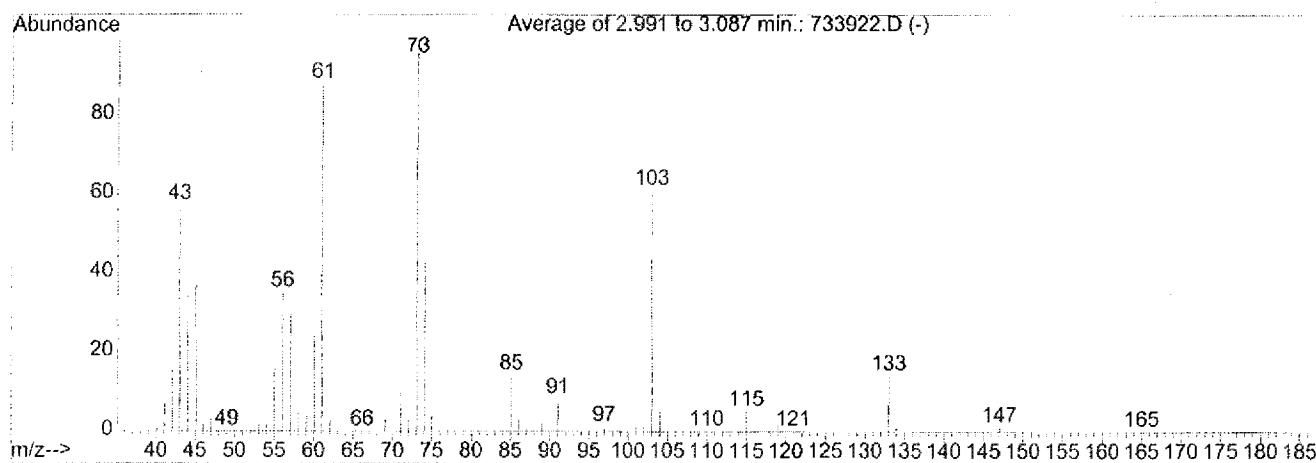
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733922.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 15:07  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	3.08	C:\DATABASE\NIST98.L		
		Mannitol	000069-65-8	91
		Sorbitol	000050-70-4	91
		Glucitol	026566-34-7	90



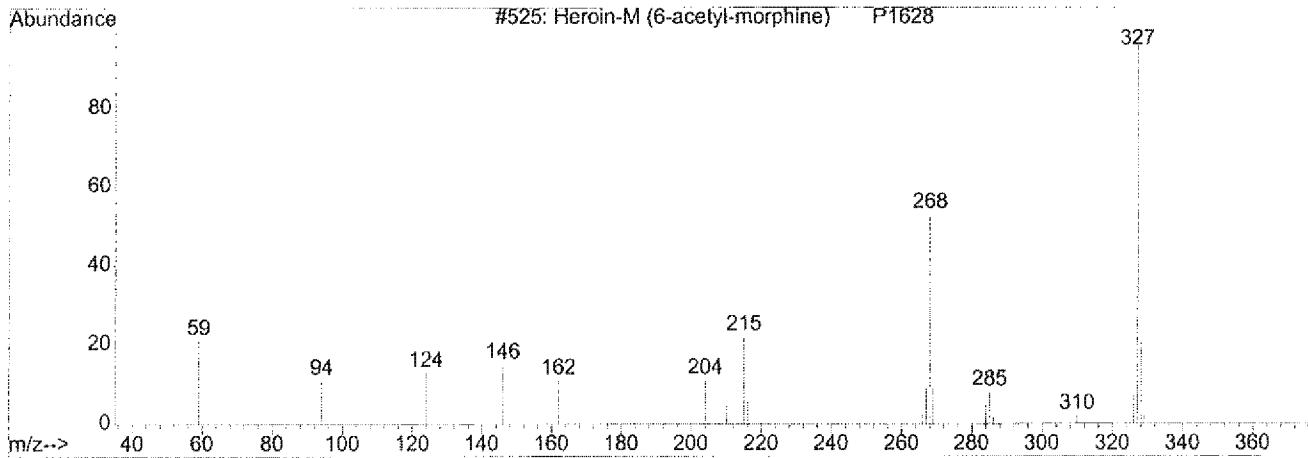
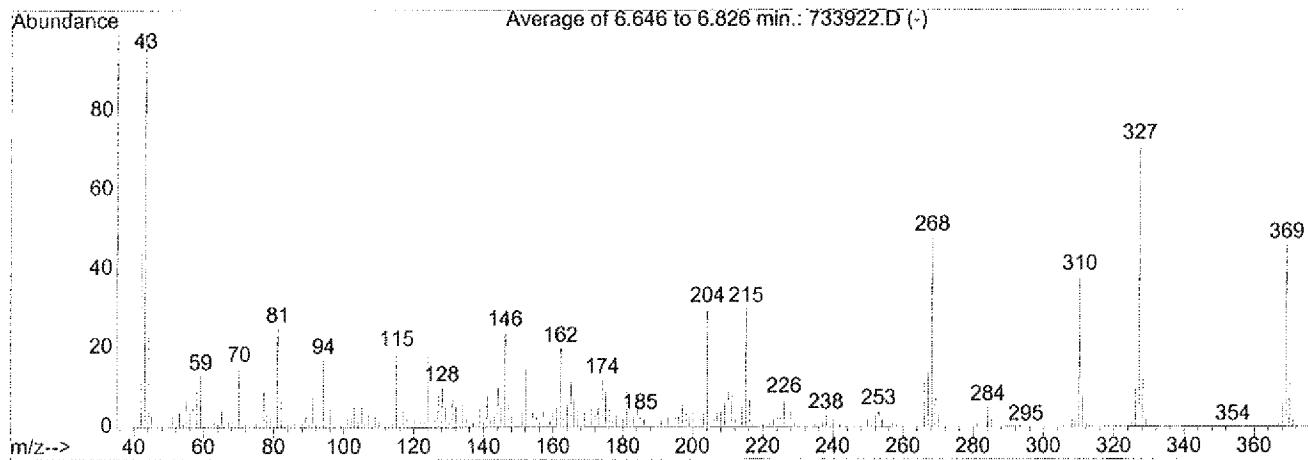
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733922.D  
 Operator : KAC  
 Date Acquired : 29 Jul 2010 15:07  
 Sample Name : XXXXXXXXXX  
 Submitted by : KAC  
 Vial Number : 22  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	6.69	C:\DATABASE\PMW_TOX2.L		
		Heroin-M (6-acetyl-morphine)	059833-14-6	91
		Morphin 2AC	@ 000561-27-3	90
		Naloxone AC	000000-00-0	38



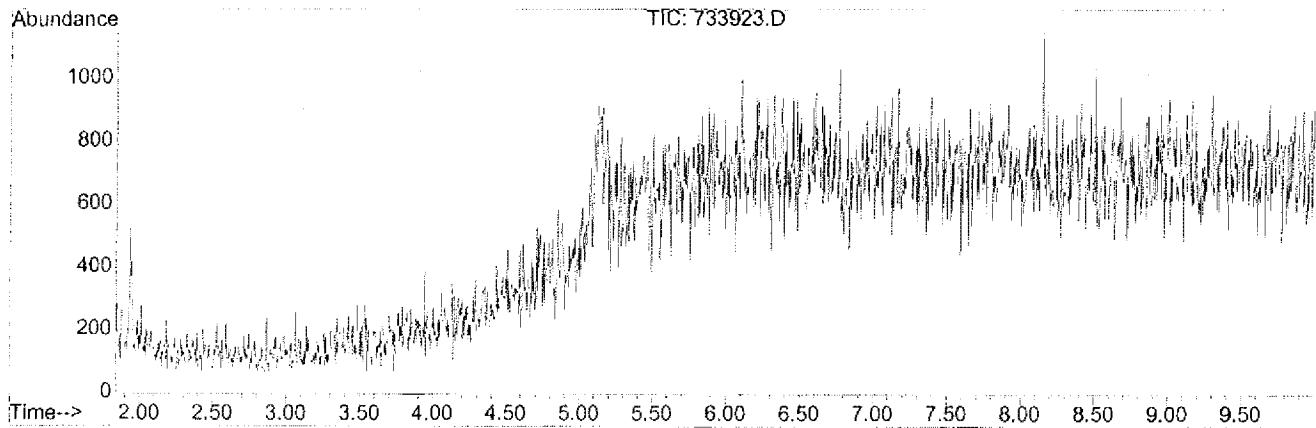
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733923.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 15:20  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

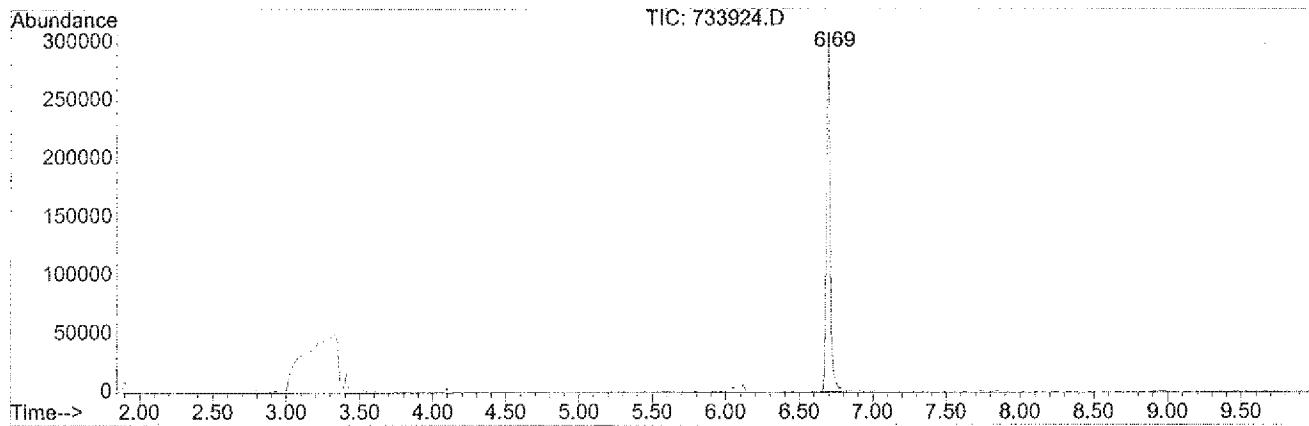
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733924.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 15:34  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 24  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.693	547133	100.00	100.00

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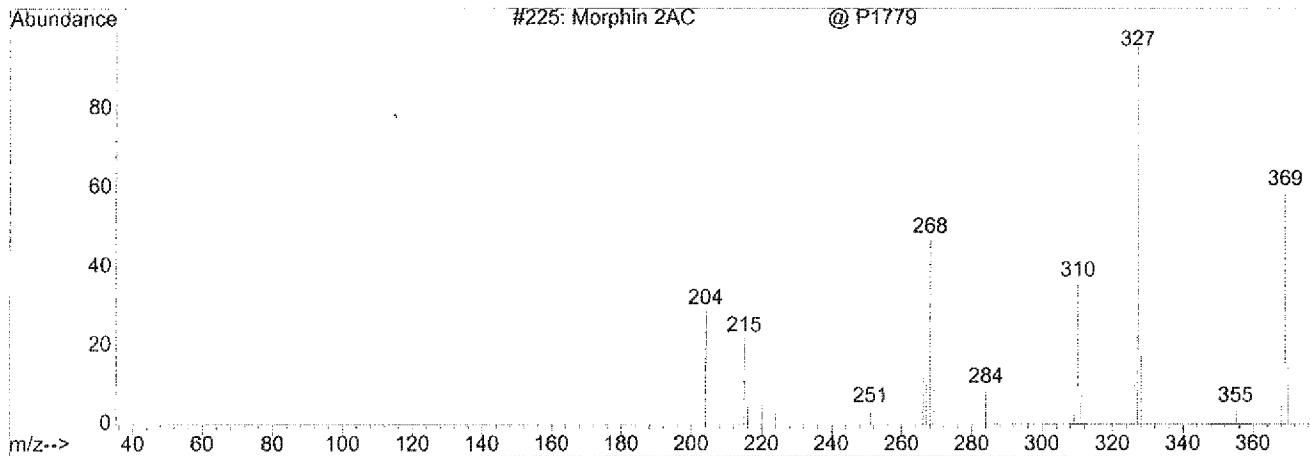
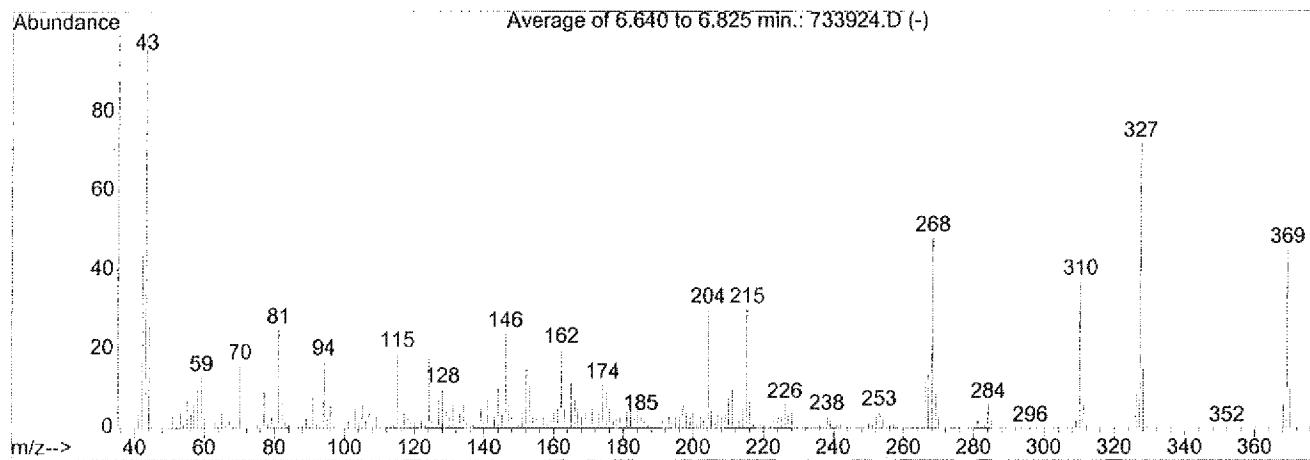
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733924.D  
 Operator : KAC  
 Date Acquired : 29 Jul 2010 15:34  
 Sample Name : XXXXXXXXXX  
 Submitted by : KAC  
 Vial Number : 24  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	@ 059833-14-6	60
		Hydromorphone enol 2AC	@ 000000-00-0	41



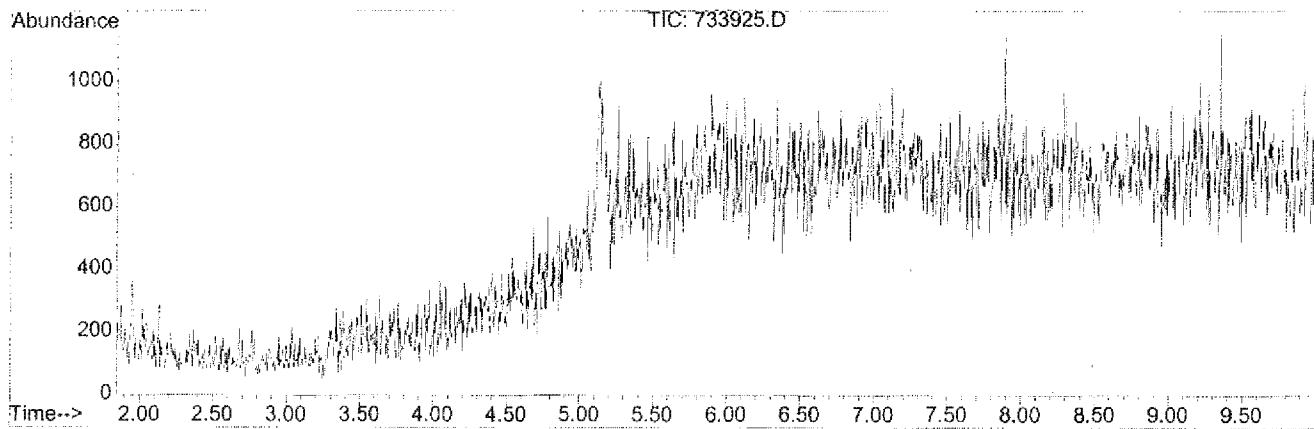
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733925.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 15:47  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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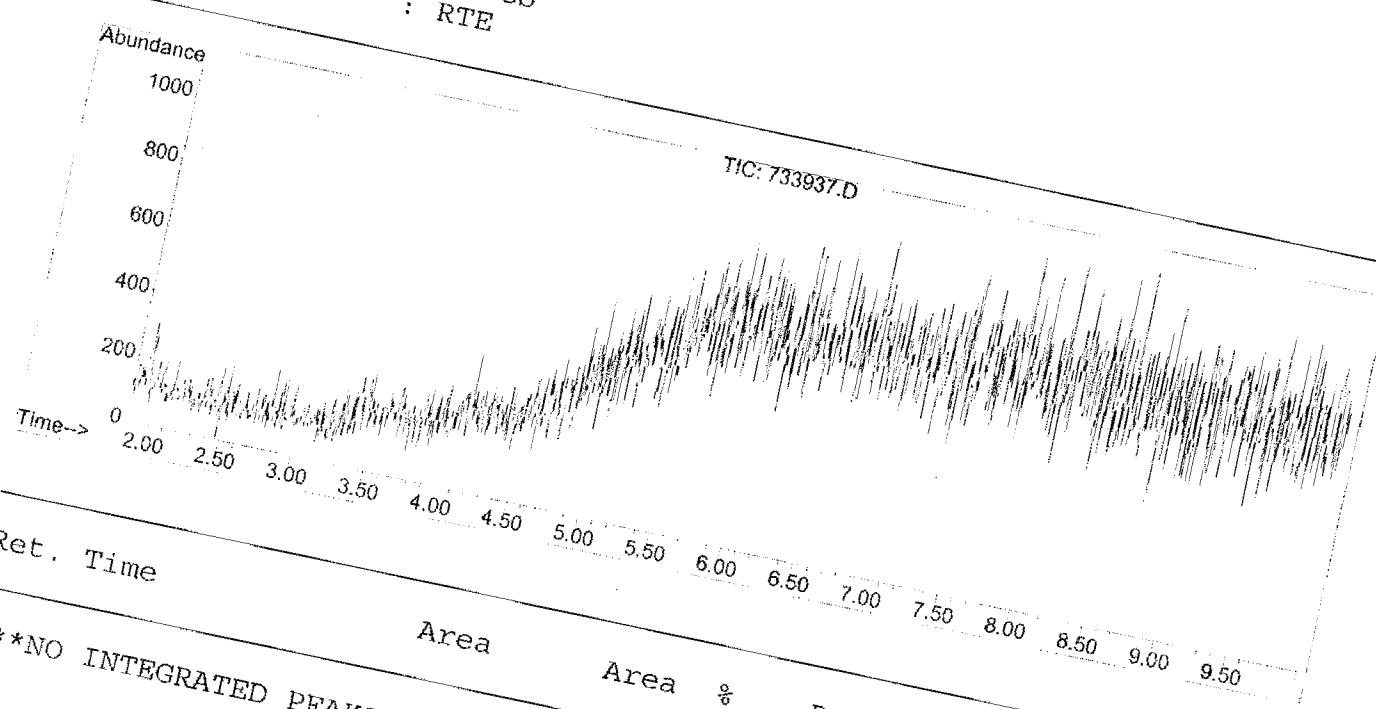
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

Information from Data File:  
File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733937.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 18:30  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

733937.D

Fri Mar 04 07:45:01 2011

Page 1

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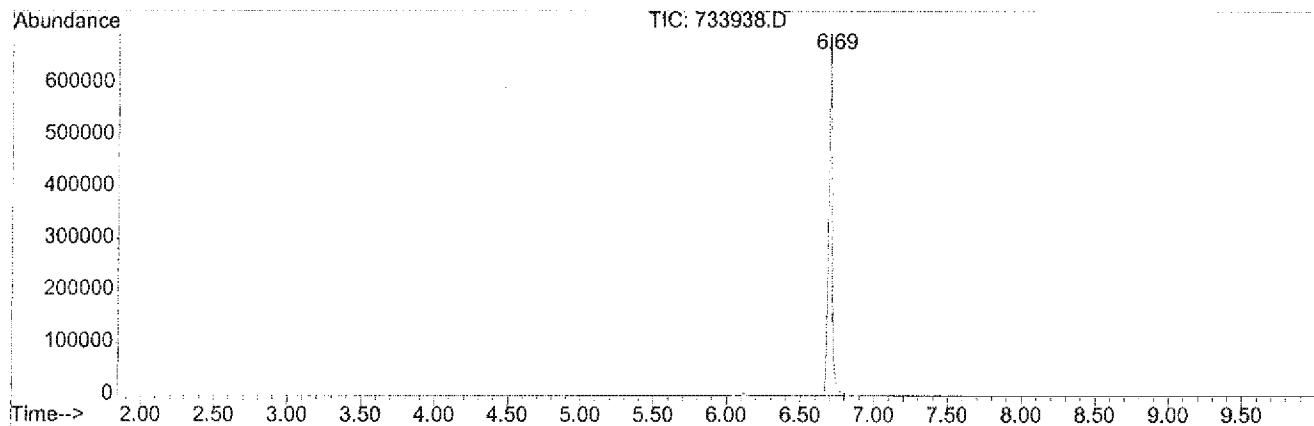
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733938.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 18:44  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 38  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.693	1203287	100.00	100.00

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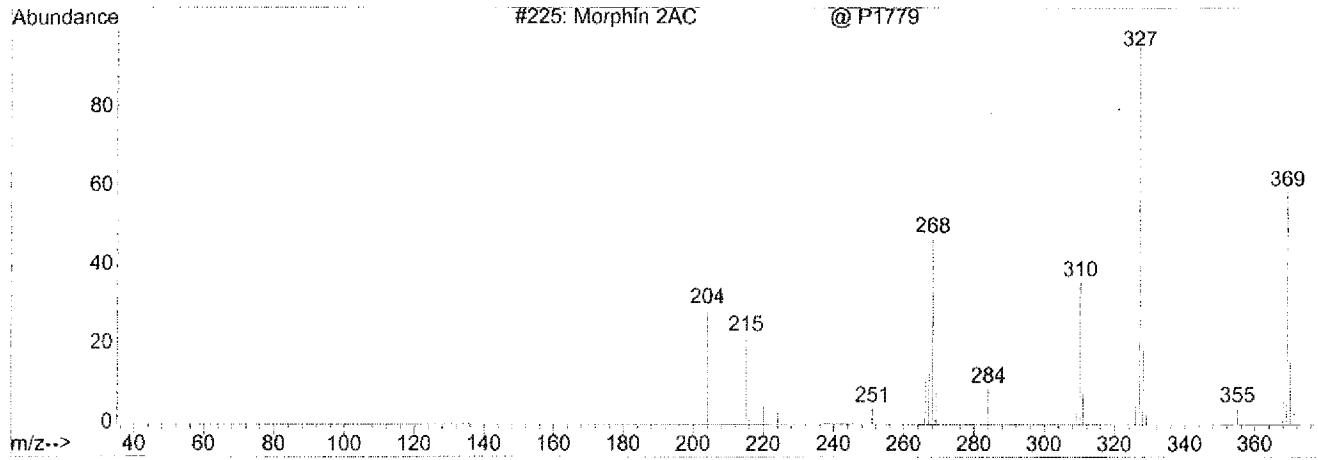
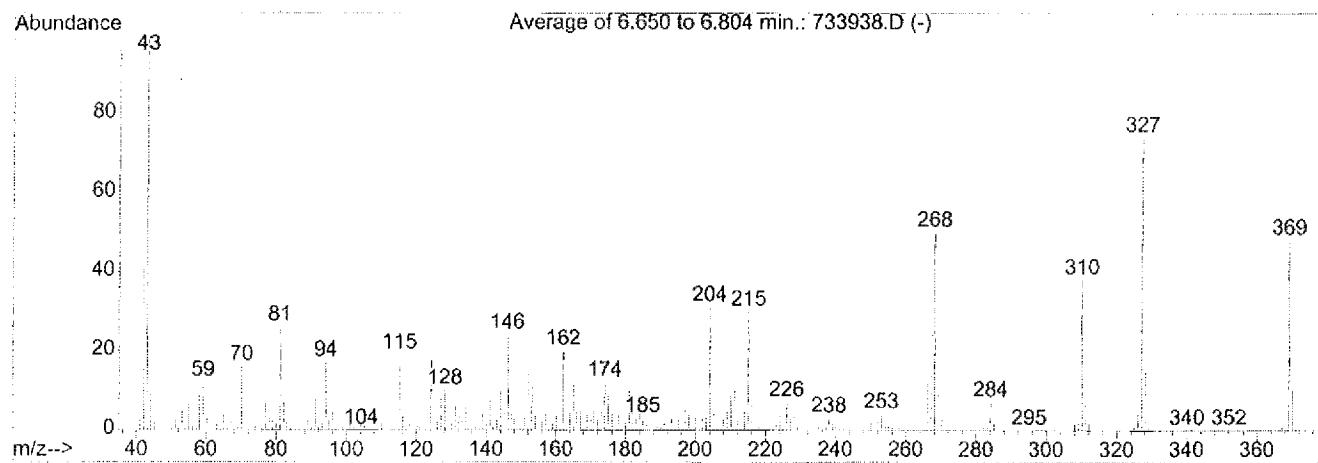
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733938.D  
 Operator : KAC  
 Date Acquired : 29 Jul 2010 18:44  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 38  
 AcquisitionMeth: DRUGS  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	6.69	C:\DATABASE\PMW_TOX2.L		
		Morphin 2AC	@ 000561-27-3	90
		Heroin-M (6-acetyl-morphine)	059833-14-6	78
		Hydromorphone enol 2AC	@ 000000-00-0	43



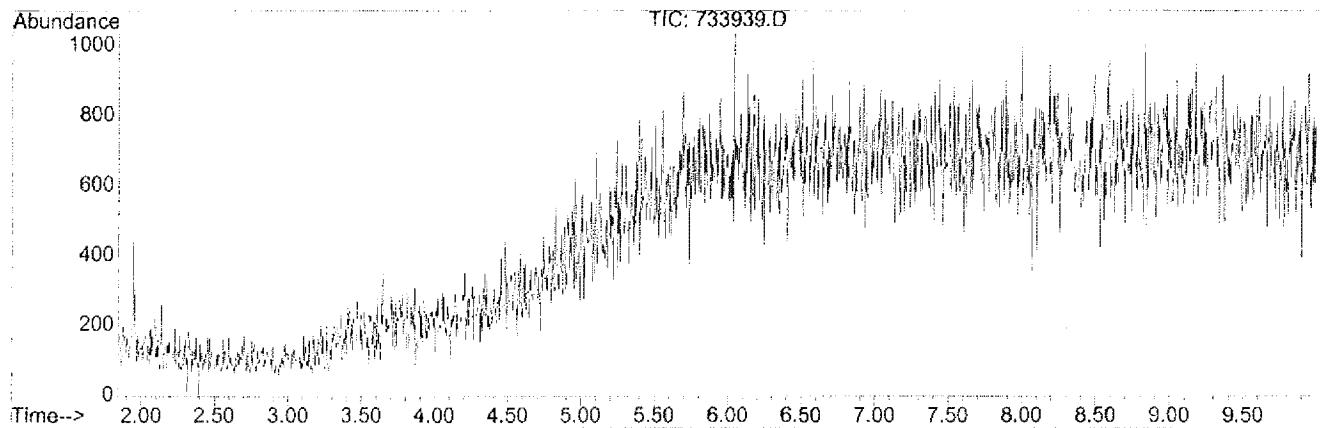
# Area Percent / Library Search Report

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## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_29\_10\733939.D  
Operator : KAC  
Date Acquired : 29 Jul 2010 18:58  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

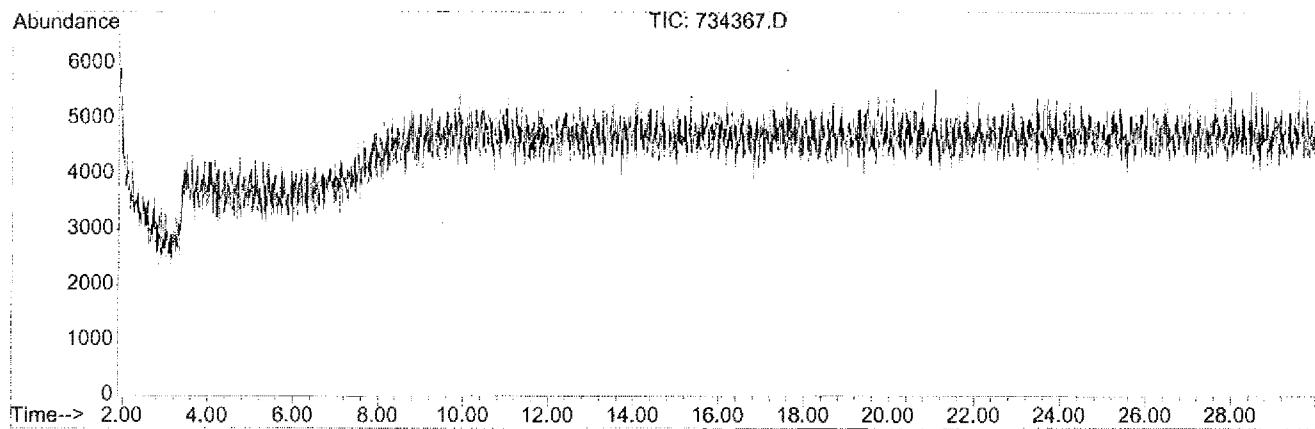
# Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734367.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:20  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: SCREEN  
Integrator : RTE

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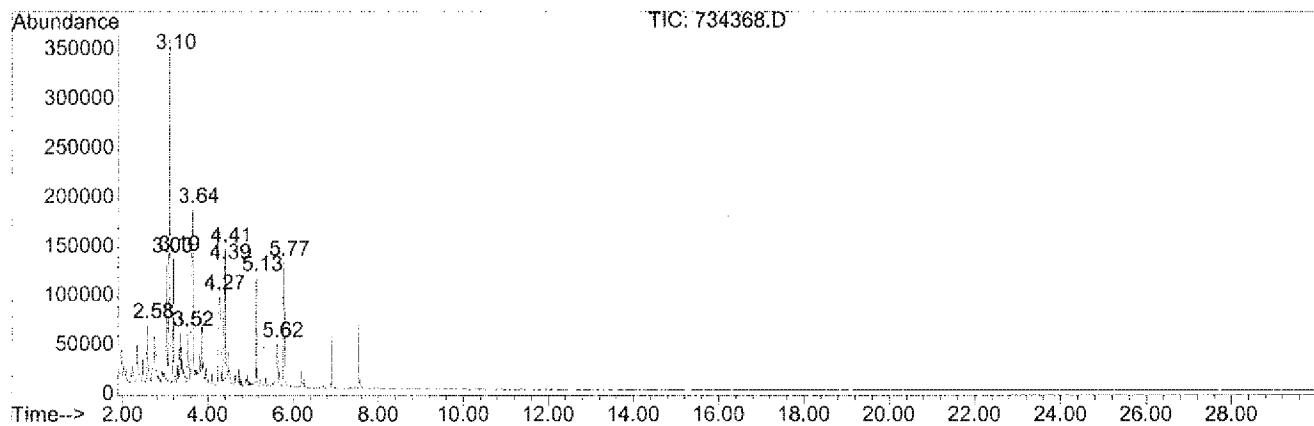
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.579	129973	4.54	25.04
3.027	191558	6.69	36.91
3.099	488065	17.04	94.04
3.189	145640	5.08	28.06
3.518	104732	3.66	20.18
3.644	519007	18.12	100.00
4.266	340338	11.88	65.57
4.385	263088	9.18	50.69
4.409	175331	6.12	33.78
5.133	110550	3.86	21.30
5.618	114982	4.01	22.15
5.773	281624	9.83	54.26

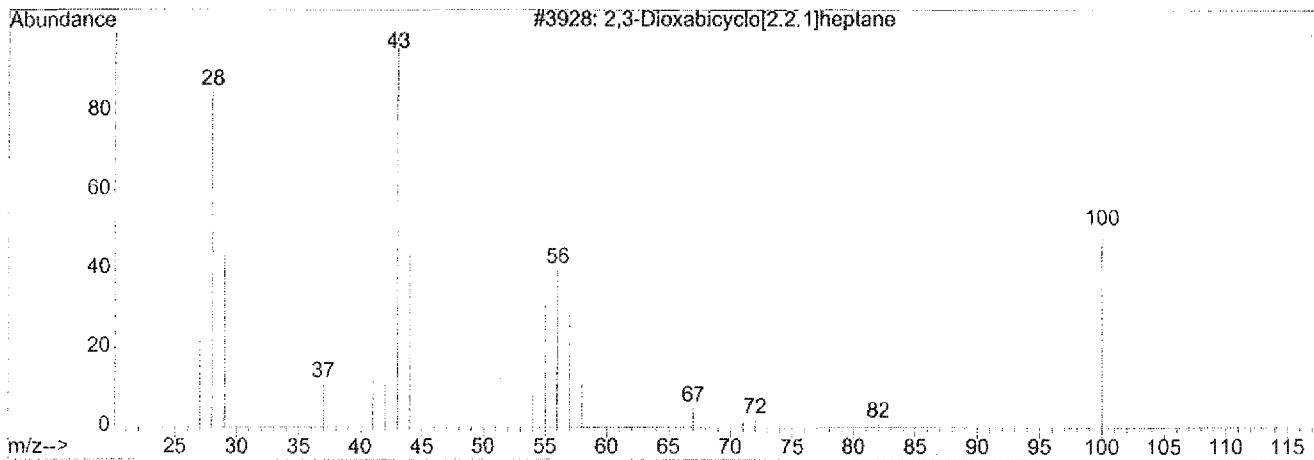
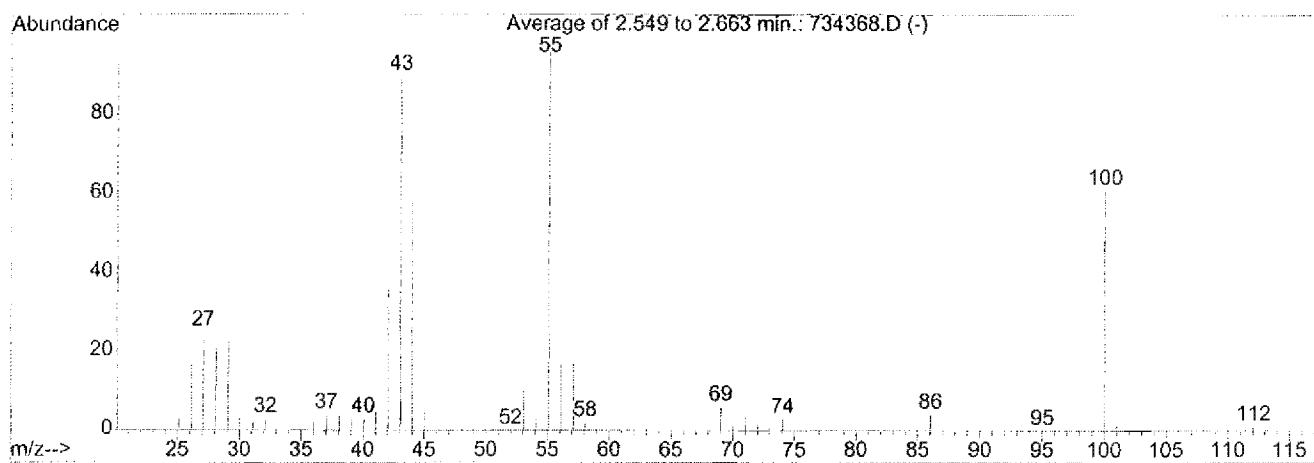
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
1	2.58	C:\DATABASE\NIST98.L		
		2,3-Dioxabicyclo[2.2.1]heptane	1000143-34-5	53
		Propanal, dimethylhydrazone	007422-93-7	47
		Oxirane, 2,3-dimethyl-, cis-	001758-33-4	30



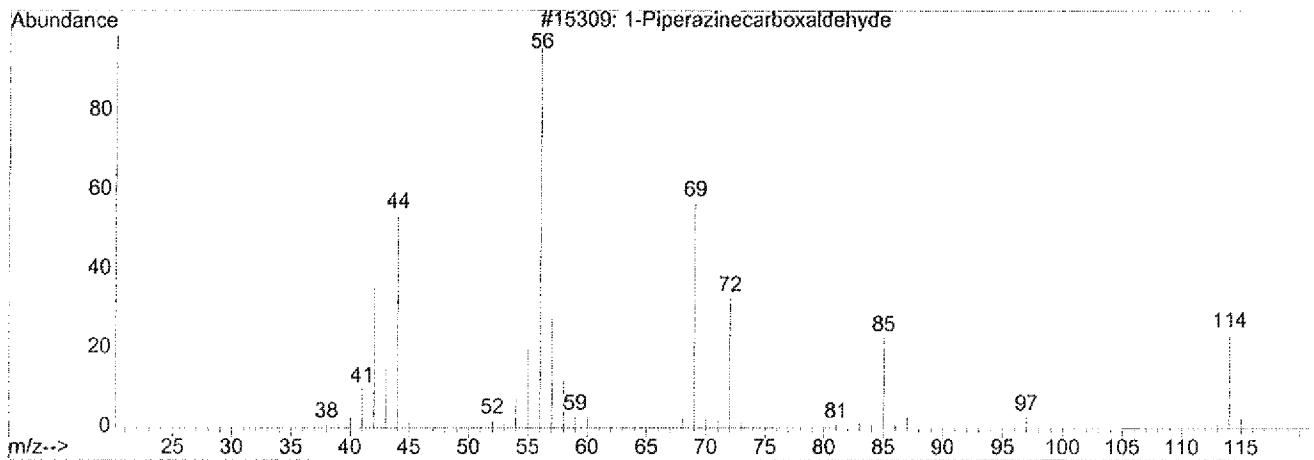
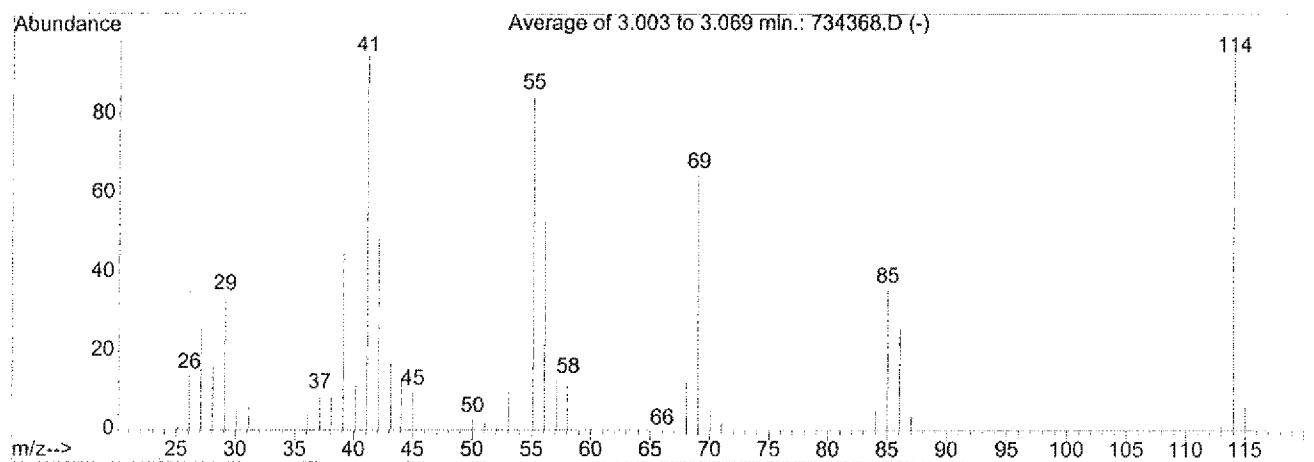
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
2	3.03	C:\DATABASE\NIST98.L		
		1-Piperazinecarboxaldehyde	007755-92-2	50
		Sydnone, 3,4-dimethyl-	004007-18-5	43
		2,4 (3H,5H) -Furandione, 3-methyl-	001192-51-4	38



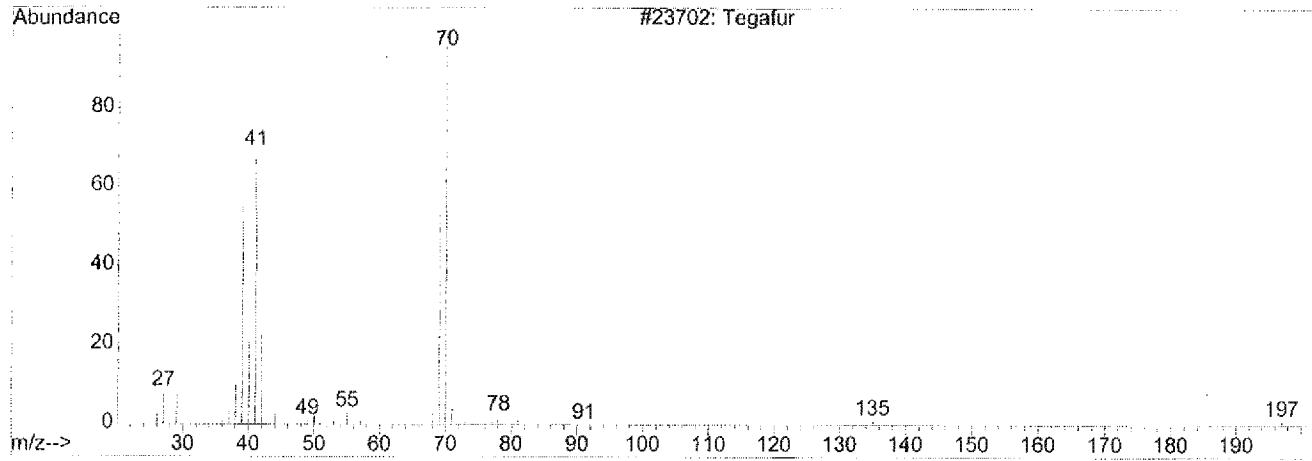
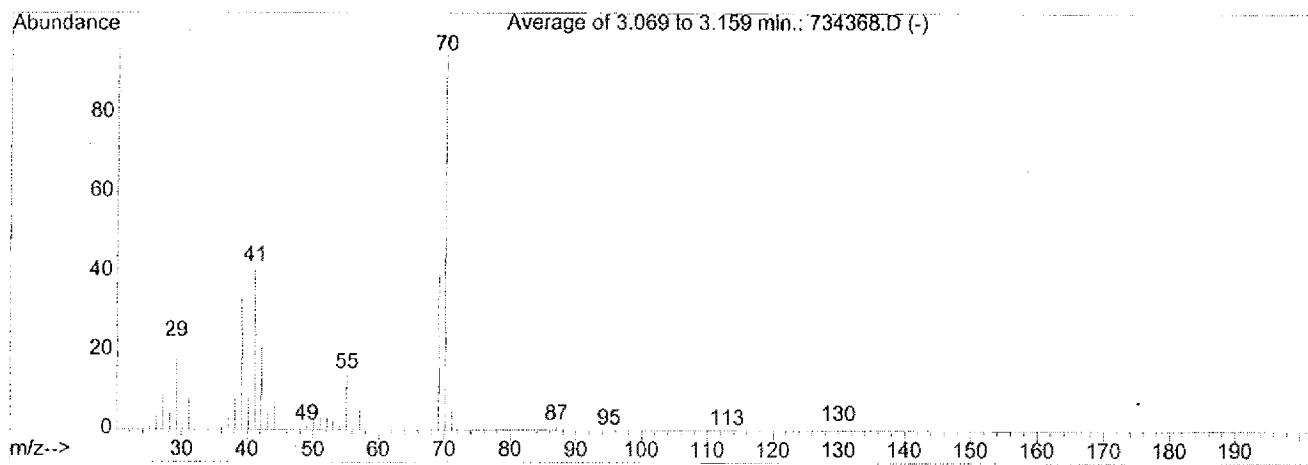
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
3	3.10	C:\DATABASE\NIST98.L		
		Tegafur	017902-23-7	45
		Cyclobutane, 2-ethyl-1-methyl-3-pro	061233-72-5	40
		Butane, 2-isocyanato-	015585-98-5	39



# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

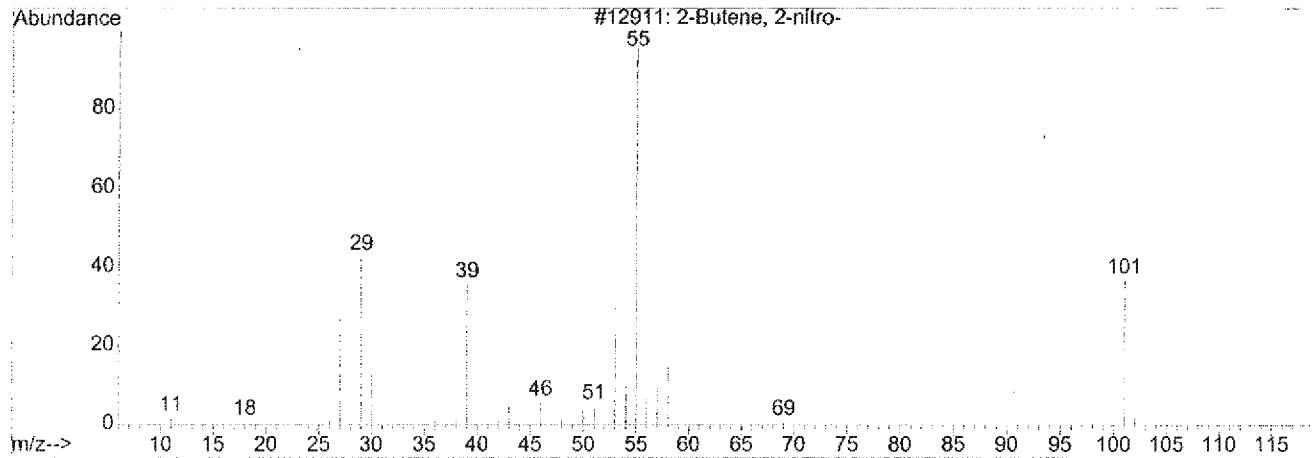
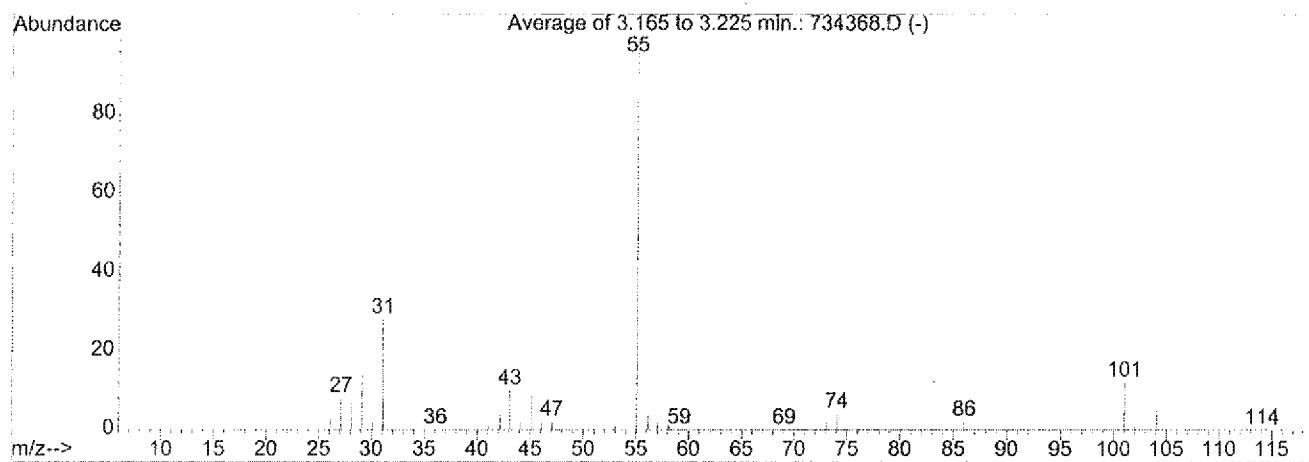
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Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

---

PK#	RT	Library/ID	CAS#	Qual
4	3.19	C:\DATABASE\NIST98.L		
		2-Butene, 2-nitro-	004812-23-1	9
		2-Propyn-1-ol	000107-19-7	4
		1-Heptyn-4-ol	022127-83-9	4

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# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

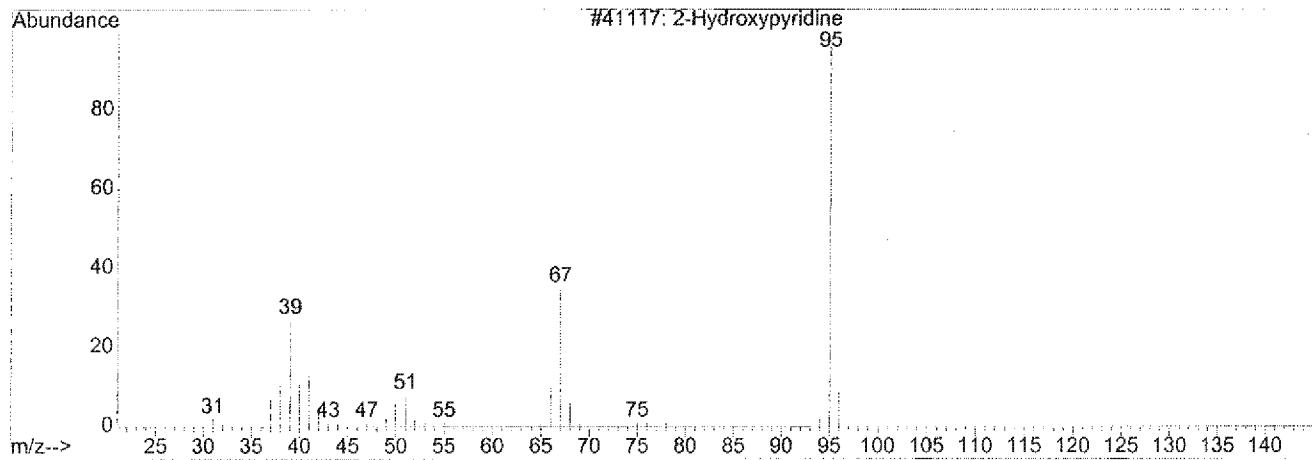
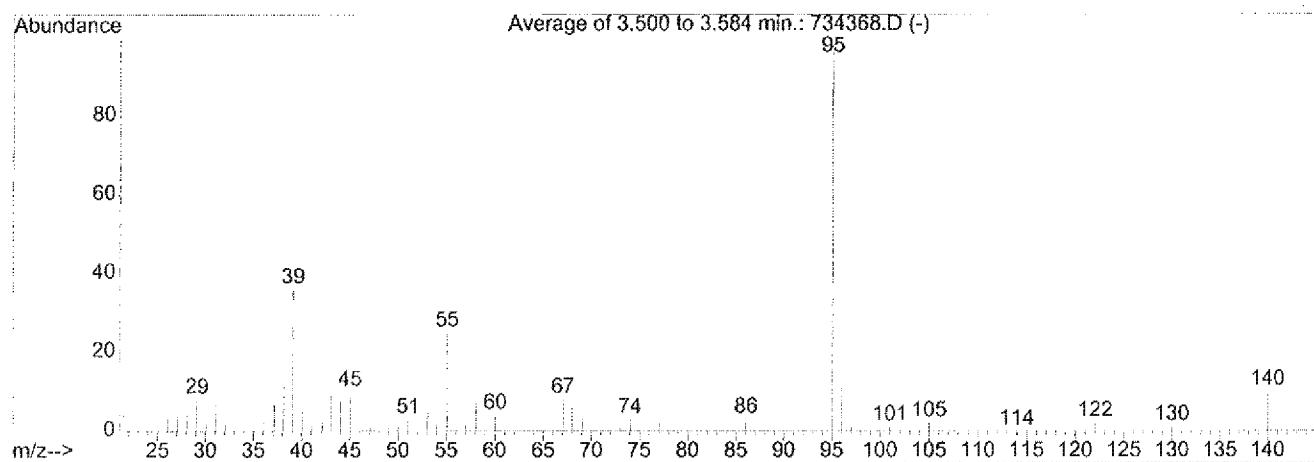
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Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

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PK#	RT	Library/ID	CAS#	Qual
5	3.52	C:\DATABASE\NIST98.L		
		2-Hydroxypyridine	000142-08-5	53
		2-Hydroxypyridine	000142-08-5	53
		Furancarboxylic acid, methyl ester	001334-76-5	53

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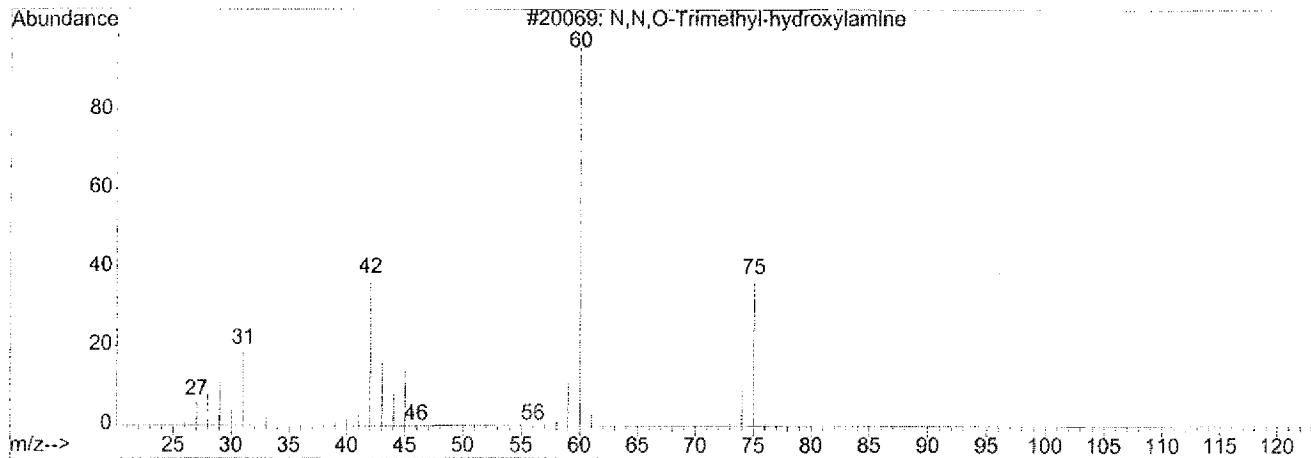
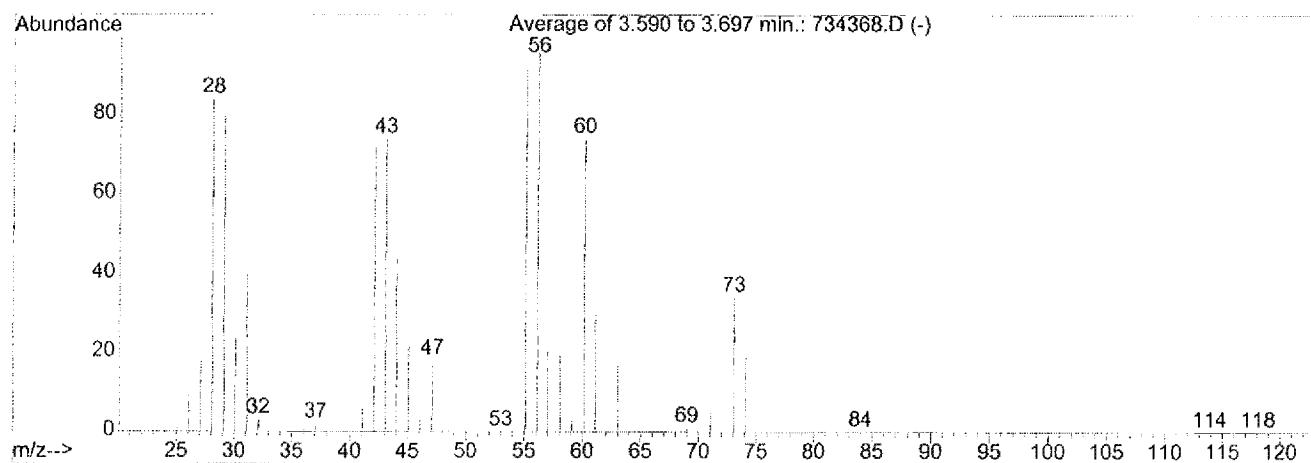
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
6	3.64	C:\DATABASE\NIST98.L		
		N,N,O-Trimethyl-hydroxylamine	1000192-50-5	27
		1,3-Propanediol, 2,2-dimethyl-	000126-30-7	14
		Homosterine	000498-19-1	12



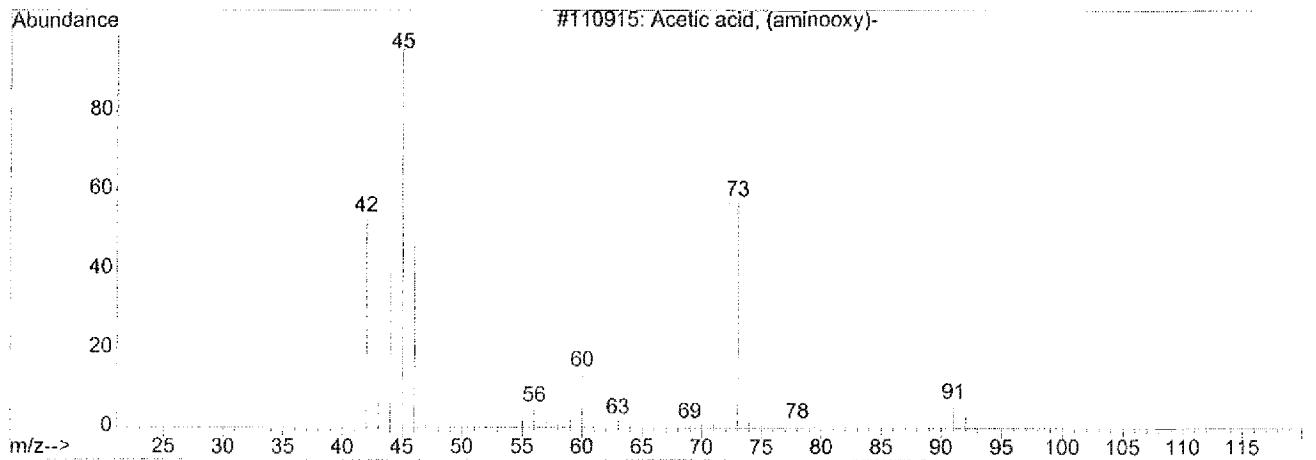
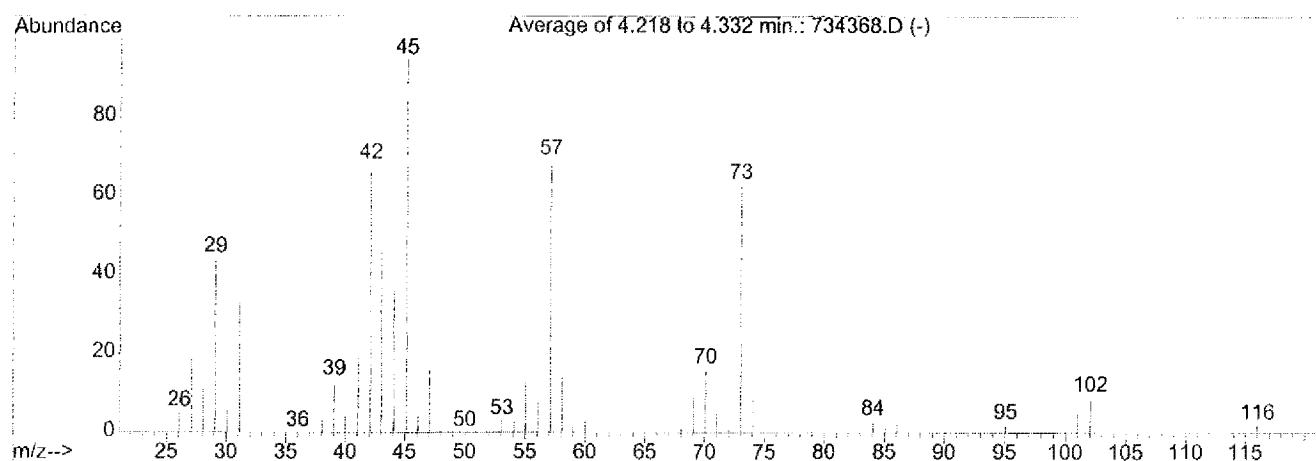
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
7	4.27	C:\DATABASE\NIST98.L		
		Acetic acid, (aminoxy)-	000645-88-5	64
		Formic acid, 1-methylethyl ester	000625-55-8	53
		1-Butanol, 4-methoxy-	000111-32-0	47



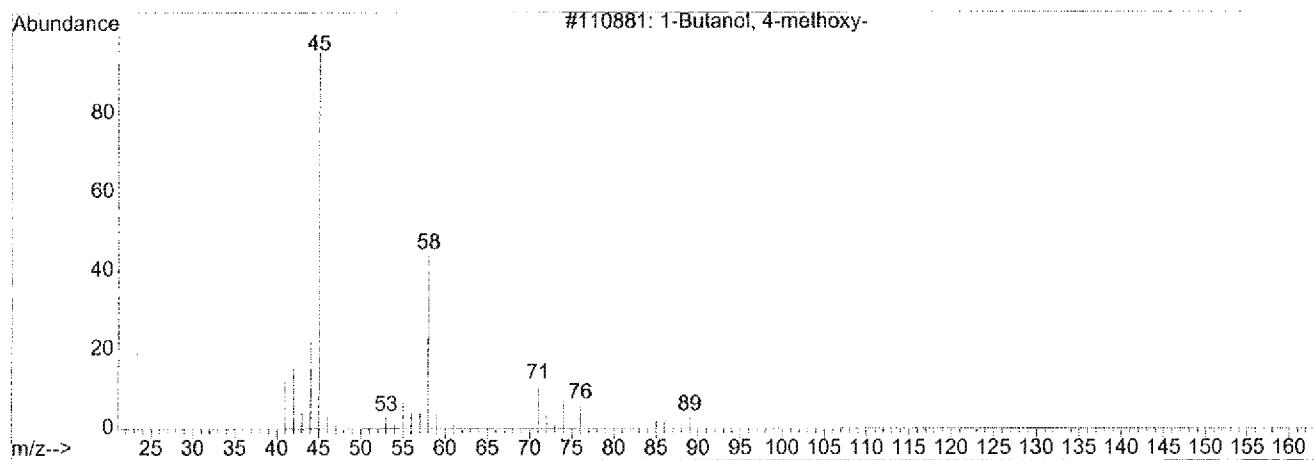
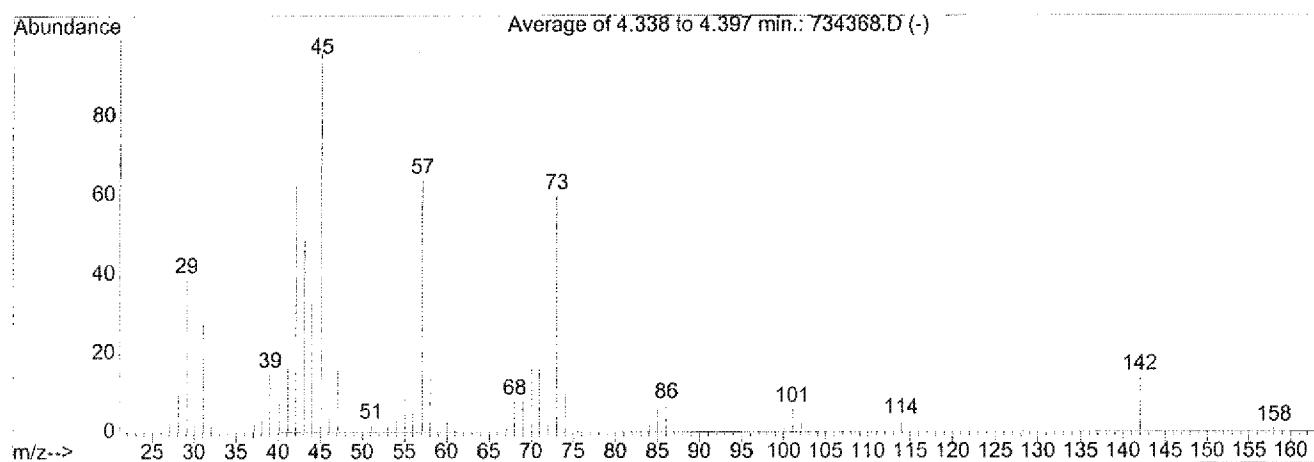
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
 Operator : KAC  
 Date Acquired : 31 Jul 2010 23:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : KAC  
 Vial Number : 68  
 AcquisitionMeth: SCREEN  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
8	4.39	C:\DATABASE\NIST98.L		
		1-Butanol, 4-methoxy-	000111-32-0	53
		Formic acid, 1-methylethyl ester	000625-55-8	50
		Boronic acid, ethyl-, diethyl ester	053907-92-9	47



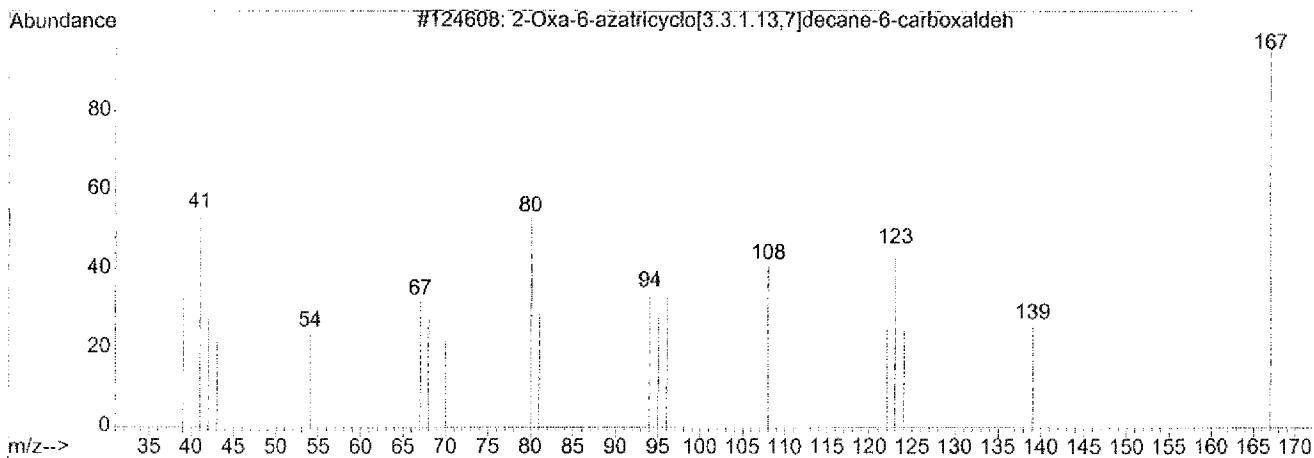
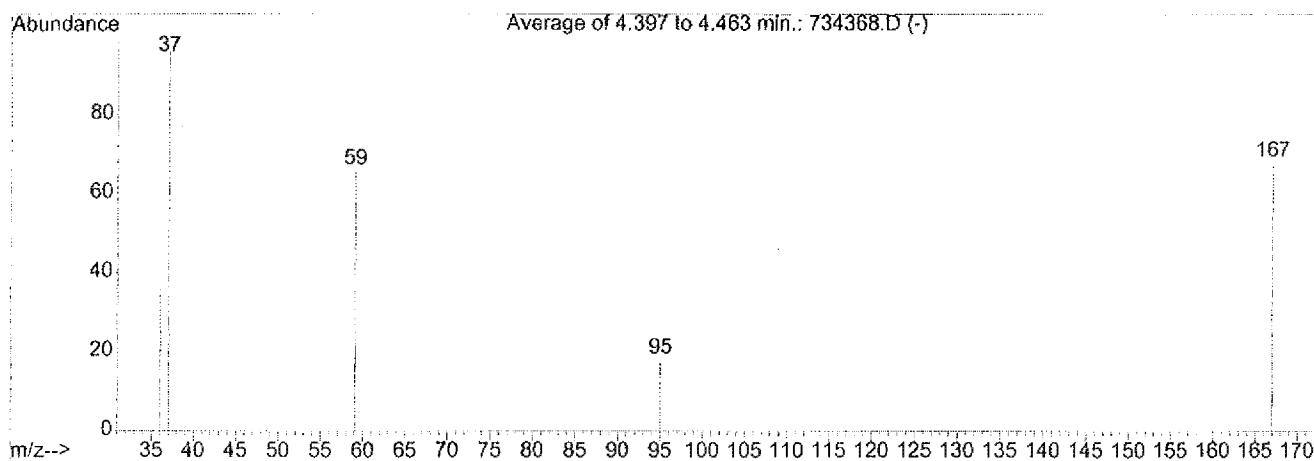
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
9	4.41	C:\DATABASE\NIST98.L		
		2-Oxa-6-azatricyclo[3.3.1.13,7]deca	050267-24-8	5
		Thioguanine	000154-42-7	2
		5-Fluoro-2-methyl-benzothiazole	000399-75-7	2



# Area Percent / Library Search Report

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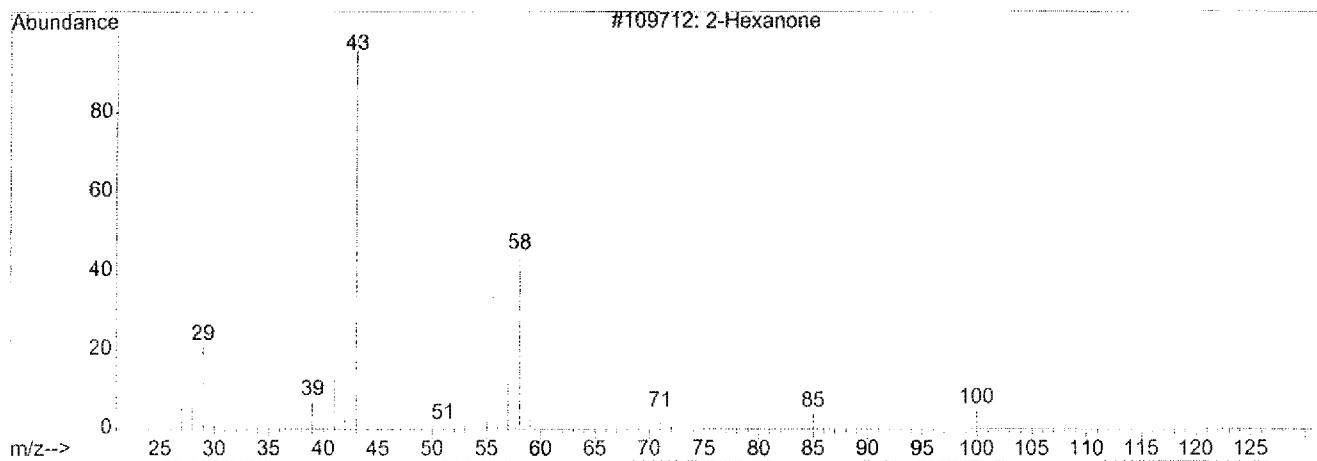
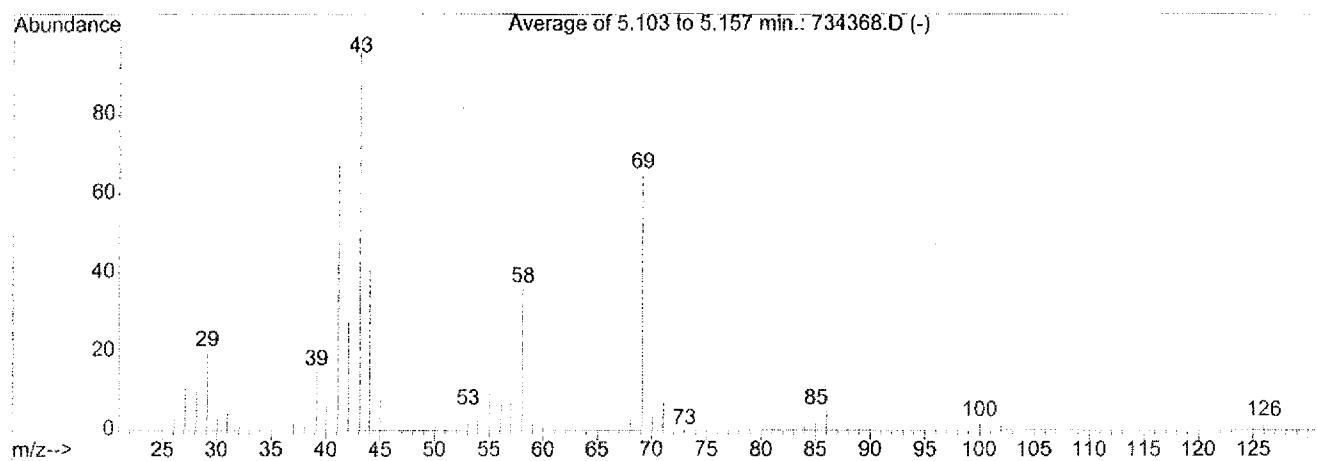
**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
10	5.13	C:\DATABASE\NIST98.L		
		2-Hexanone	000591-78-6	35
		3-Oxetanol, 2,2,3-trimethyl-	025910-96-7	17
		Pentanal, 2-methyl-	000123-15-9	16



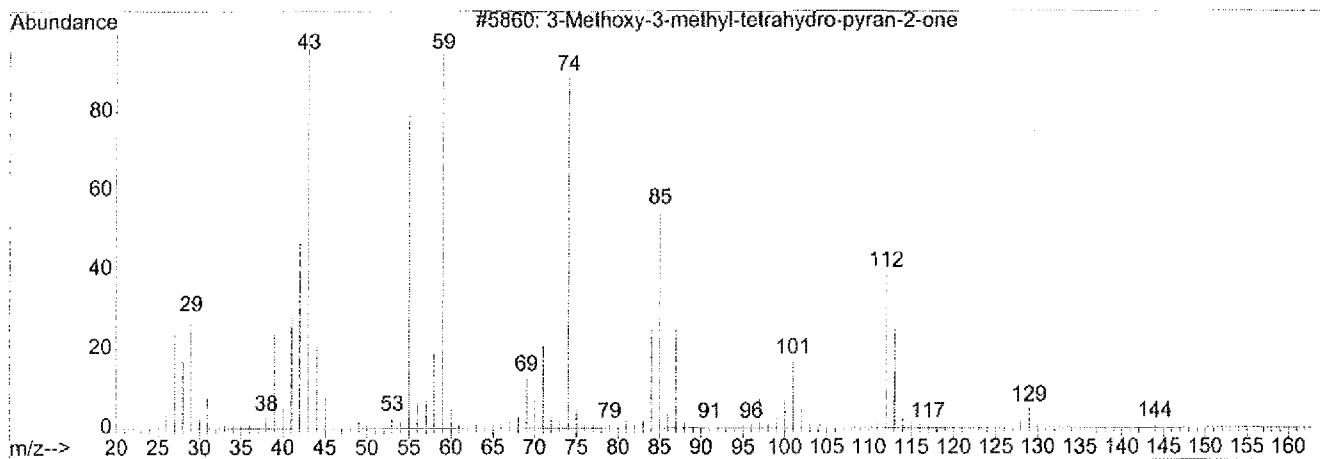
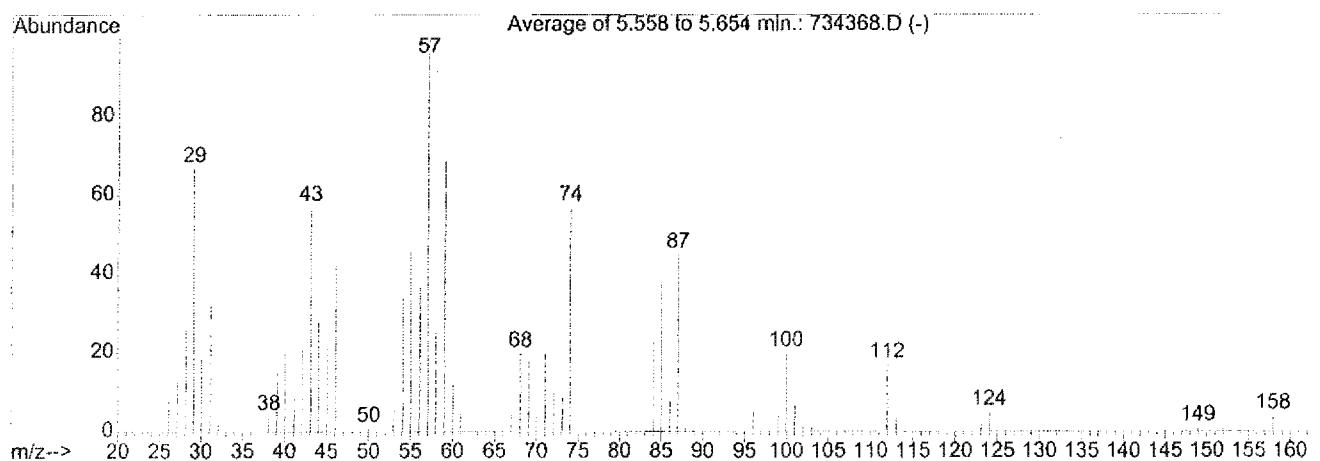
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
 Operator : KAC  
 Date Acquired : 31 Jul 2010 23:54  
 Sample Name : XXXXXXXXXX  
 Submitted by : KAC  
 Vial Number : 68  
 AcquisitionMeth: SCREEN  
 Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
 C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
11	5.62	C:\DATABASE\NIST98.L		
		3-Methoxy-3-methyl-tetrahydro-pyran	1000185-31-8	32
		2,2-Dimethylbutanedioic acid	000597-43-3	27
		2-Pentanol, 5-methoxy-2-methyl-	055724-04-4	22



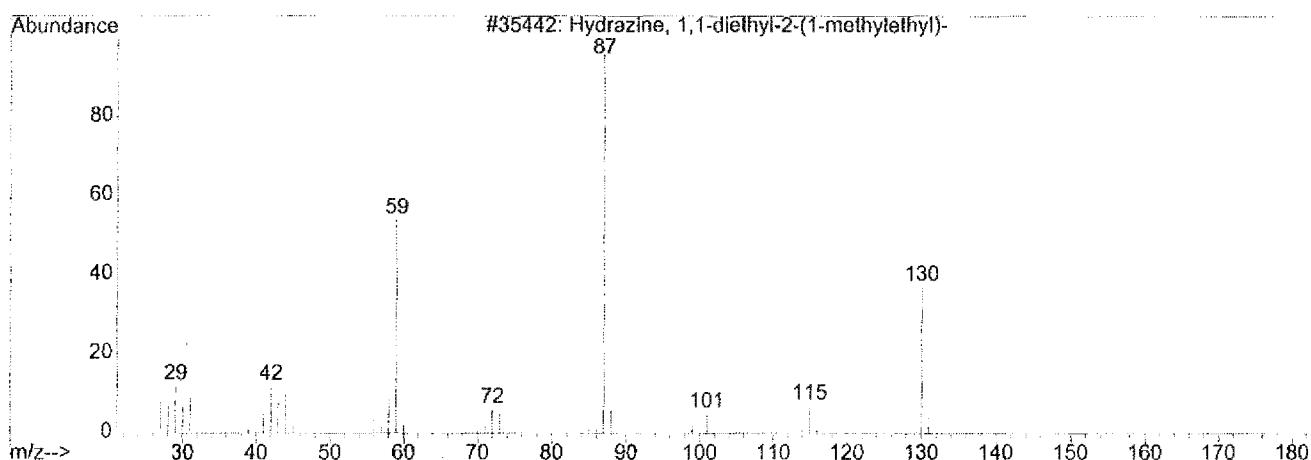
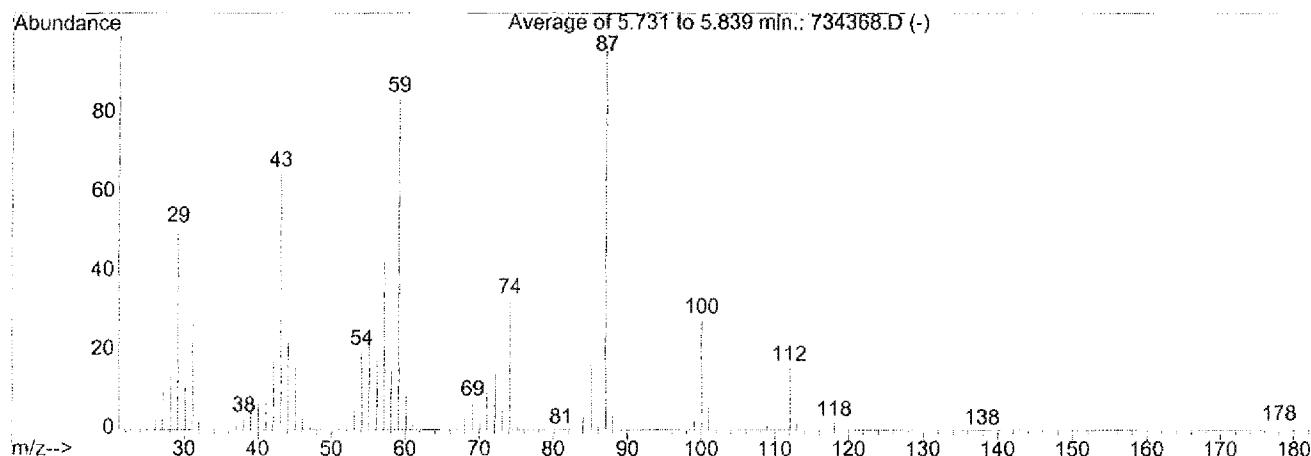
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734368.D  
Operator : KAC  
Date Acquired : 31 Jul 2010 23:54  
Sample Name : XXXXXXXXXX  
Submitted by : KAC  
Vial Number : 68  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L Minimum Quality: 0

PK#	RT	Library/ID	CAS#	Qual
12	5.77	C:\DATABASE\NIST98.L		
		Hydrazine, 1,1-diethyl-2-(1-methyle	067398-39-4	47
		1,3-Dioxolane, 2-ethyl-4-methyl-	004359-46-0	47
		Monomethyl malonate	016695-14-0	38



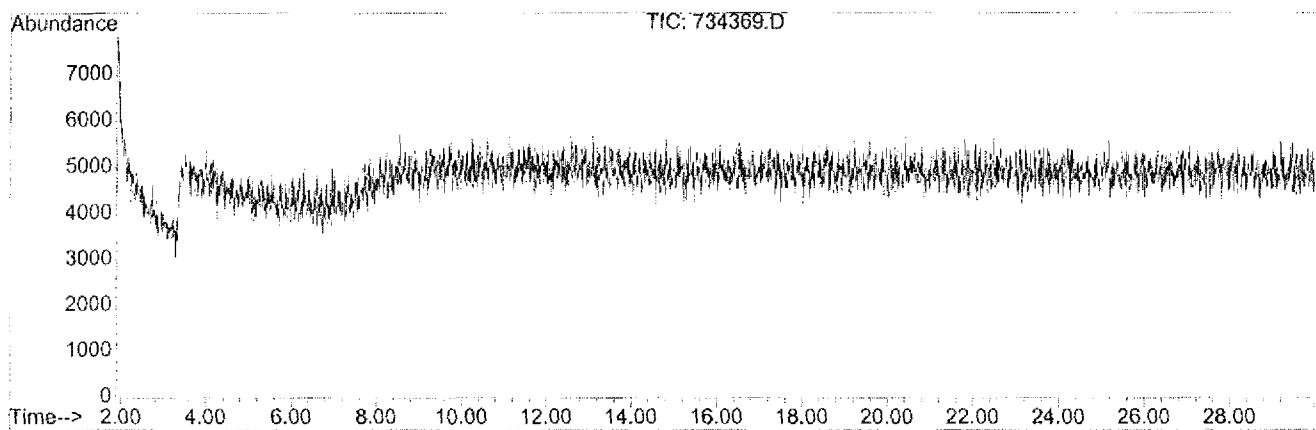
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : F:\Q3-2010\SYSTEM4\07\_30\_10\734369.D  
Operator : KAC  
Date Acquired : 1 Aug 2010 00:28  
Sample Name : BLANK  
Submitted by : KAC  
Vial Number : 2  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*